PER PRINCE MANUACTURAL OF THE PRINCE

# OMMERCIAL RAILWAY AND

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

o. 1209.—Vol. XXVIII.

LONDON, SATURDAY, OCTOBER 23, 1858.

STAMPED....SIXPENCE. UNSTAMPED..FIVEPENCE.

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EWARNE UNITED.—A SPECIAL REPORT published in PETER WATSON'S CIRCULAR of yesterday.

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Wheal Kitty.

Wheal Keth.

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Hingston Down.

North Roskear.

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Buying. Selling.

Buying. Seiling.	Buying. Selling.
naols 81/2 91/4	South Tolgus 65 75
150 170	South Wheal Frances 185 195
6	St. Day United 12s.
anarth 456 556	St. Ives Consols 271/2 321/4
5 51/2	South Garras 50 60
3 4	South Lady Bertha 14 14
····· 1/4 1/4 1/4	St. Austell Consols 12 14
and Jane4s. 3d4s. 9d.	Swanpool 1
nt Consols 440 460	Toivadden 614 614
9 11	Tincroft 354 354
	Vale of Towy 14s 16s.
ils 36 1	West Basset 20 221/4
H Russell 634 7	West Wheal Seton 280 290
and St. Aubyn. 1825 135	West Grenville 1/2
th Tolgus 13 14	West Par Consols 1/4
mal Vor % 1	Wheal Addams 1
don	Wheal Grenville 1/4
nd 214 24	Wheal Harriett 34 34
y 1 1/2 1/4	Wheal Margery 8 9
ha 16 16	Wheal Uny 8 81/4
eni Basset 8 9	Wheal Basset 195 205
eal Basset 8 9	Wheal Buller 160 170
coath 234 314	Wheal Charlotte 8 8
nut 4 41/2	Wheal Clifford 300 310
United 25 30	Wheal Edward 21/2 3
395 405	Wheat Jane 14 16
onsols 8 31/4	Wheal Kitty (Lelant) 81/2 91/2
16 17	Wheal Margaret 60 65
70 75	Wheal Mary Ann 44 46
United 271/2 321/2	Wheal Reeth 10
	Wheal Trelawny 24 26
Consols 1	Wheal Wrey 2 21/2
don 395 405	Yarner 11/2 2
e seen by the above that the pris	es are very wide, and must necessarily be so

n the market has had, but as times get better I hope I shall

cos considerably.

ss promptly attended to. Commission, 1% per cent.

N.B.—This list to be continued every week.

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# Original Correspondence.

STEEL-MAKING BY THE BESSEMER PROCESS: PRACTICAL APPLICATION, AND SUCCESSFUL RESULT.

Sir.,—As your valuable Journal is specially devoted to subjects connectes with engineering and its kindred manufactures, I am desirous, before quitting England, to communicate some facts through the medium of you mns which I trust will be found not wholly devoid of interest by your

columns which I trust will be found not wholly devoid of interest by your numerous scientific readers.

I scarce need to recal to your memory the effect produced in the whole iron trade of this country by the announcement of Mr. Bessemer's great discovery in the manufacture of iron and steel. Many of the highest authorities in such matters gave the new system at that time their most unequivocal support, while others as strenuously denied the fact; meanwhile the great majority stood aloof, or looked on more than half incredulous, yet unable to deny the just conclusions of theory, or the facts experimentally shown. Such was the interest created by this invention that it spread like a huge wave over the whole continent of Europe, and in a few weeks it had reached my country (Sweden), where the excitement was equal if not greater than in England. Some of our bar-iron manufacturers believed they saw in this new process the entire loss of their old-established trade, while others hailed it as a boon of no ordinary kind; in the midst of their conflicting opinions I determined on an immediate visit to England, where I arrived in May, 1857; I saw the new process worked experimentally by Mr. Bessemer at Baxter House, and I at once became convinced of the correctness of the principle on which his system is based; and in accordance with that conviction (before I returned to Sweden) I ordered a blastengine and steam-engine of 25-horse power, together with all other necessary apparatus for putting the process into operation. These things were sent over to my works at Edsken, in Sweden. I will not encroach on your valuable space by recounting the many delays and difficulties attending the carriage of this machinery through districts where the roads were almost impassable for such unweildy masses; suffice it to say that the erection of the whole of the apparatus was, after many difficulties, effected in a most satisfactory manner, and we were enabled to commence in November, 1857, for the first time in Sweden, to make a trial which at that time in Sweden, to make a trial of Mr. Bessemer's invention, which at that time was, of course, totally unknown to any of my people. This want of practical knowledge by the workmen employed naturally produced a series of failures and misnaps, alternating with partial successes, so that I found myself led on step by step, ever getting some new proof of the correctness of the principle, yet as constantly failing from some oversight or want of practical knowledge. In this way a vast deal of time, labour, and money were expended, and some 200 tons or 300 tons of excellent pig-iron consumed, but it was only by thus persevering with the process on a manufacturing scale that we were at last enabled to surmount all difficulties and get the whole system under perfect controul. So completely have we accomplished this object that we now make several hundred large ingots of cast-steel in succession, without a single mishap or failure of any kind. The steel can be made either hard, medium, or soft, at pleasure; it draws under the hammer perfectly sound and free from cracks, flaws, or faults of any kind, and has the property of welding in a most remarkable degree.

Steel so made has now been manufactured into cutlery of the first quality, and into every variety of tools for the engineer, as well as for bolderplates of large dimensions. Our firm has now entirely given up the manufacture of bar-iron, which it had carried on for so many years; and our blast-furnaces and tilt-mills are now wholly employed in making steel by the Bessemer process, which may, therefore, be now considered an accomplished commercial fact, that can no longer admit of question on theoretical grounds; and it is both with pride and pleasure that I find that our firm in Sweden has been the first to have carried out Mr. Bessemer's invention to its fullest extent, by producing ingots of cast-steel of most excellent quality from the molten crude iron, within ten minutes of its leaving the blast-furnace, wholly without manipulation or the use of

each containing two crucibles, and a consumption of hard coke equal to three or four times the weight of the steel.

A large iron ladle, lined with loam (such as is used by the ironfounders), is suspended by a crane, near the converting vessel, into which the fluid steel is discharged; it is then well stirred with a steel rod, which favours the extrication of carbonic oxide gas, and thus forming an abundant flame, which rises above the heads of the workmen. After a short interval of repose, the ladle is raised into a position above the ingot moulds, a plug is then withdrawn from the bottom of the ladle, and the steel allowed to descend in a clear vertical stream into the moulds. The whole time occupied in the process—that is, from the time the fluid pig-iron has run from the blast-furnace until it is formed into ingots of cast-steel—does not exceed twelve minutes; the loss of weight, including the carbon and other impurities given off, varies from 12 to 15 per cent., or about one-half of the waste incurred in the old system of making bar-iron in Sweden. This saving in cost, time, and material, is not the only inducement which the new process holds out to the charcoal iron producer, for the quantity of iron he can make annually depends not on the quantity of iron ore at his command, for the supply of that article is almost unlimited, but the growth of timber in all cases fixes the limits of his operations. It will, therefore, at once be seen how important to him is the new process, because by its means he can produce annually more than 1000 tons of so valuable an article as cast steel with the saving manually of finel only as is consumed in

he can make annually depends not on the quantity of trol nore at ins contrained, for the supply of that article is almost unlimited, but the growth of timber in all cases fixes the limits of his operations. It will, therefore, and the production of the production of the production of the production of 500 tons of so valuable an article as cast-sized with the same quantity of fuel only as is consumed in the production of 500 tons of bar-iron by the process now in general use. London, Oct. 13. © F. Gioranssos (Geffe, Sweden).

MANUFACTURE OF STEEL FROM THE IRON OF THE EAST INDIA IRON COMPANY.

Sir.,—In the Journal of the 9th inst. a letter appeared on this subject, which stated as briefly as possible "that Mr. Robert Mashet had produced, which stated as briefly as possible "that Mr. Robert Mashet had produced, which stated as briefly as possible "that Mr. Robert Mashet had produced, which stated as briefly as possible "that Mr. Robert Mashet had produced, which stated as briefly as possible "that Mr. Robert Mashet had produced, which stated as briefly as possible "that Mr. Robert Mashet had produced, which stated as briefly as possible "that Mr. Robert Mashet had produced, which stated as briefly as possible "that Mr. Robert Mashet had produced, which whatever but that double shear steel, that leave the state of the produced of the produc

office, may by that small tool on any description of wood, and will find it suitable for the purposes it professes. I make no secret of hardening iron this way, but it must be good iron which will harden as the fragment alluded to has done. The East India fron Company has made but little stir in the commercial world. Their business has been quietly pursued, but having a good article in their hands, it is to be trusted that they will make their advantages public, and their iron useful for the better departments of manufacture, for which it is very evidently suited. It has often occurred to me that Mr. Musher was careful in selecting the iron he uses for the manufacture of steel, and if I may judge of the quality of the iron in question from what I have seen, and the small experiment mentioned above, it would be very hard to find much better material to operate upon either in English or foreign mines.—London, Oct. 18.

J. BENNETT.

#### WELSH AND NORTH COUNTRY COAL.

-"One Interested" in the subject very correctly observes, in your Journal of last week, that "the several experiments which have hitherto been made with a view to ascertain the relative heating power of North Country and Welsh coal have tended rather to create an ill-feeling be-tween the rival coalowners than to confer any real benefit on the public." I have every reason to believe that the same objection will be found to ap-ply to the experiments now being made by the contending parties; and that, after all, consumers will have to satisfy themselves of the relative value of coal, obtainable from various colliery districts, for their own par-ticular requirements.

value of coal, obtainable from various connery districts, so these out particular requirements.

Yet I do not agree with your correspondent, that "a furnace that will produce excellent results with Welsh coal would make North Country coal appear comparatively worthless;" or vice versa. In a leading article of the Mining Journal, May 8, 1858, you put the question, both concisely and truthfully, thus—"Chemical science has now clearly laid down the general character of the material to be dealt with. It is now the work of the mechanical engineer to take the matter in hand, and show us how he can deal with a substance the value of which he knows; but, as its physical condition varies, he must adapt his instrument to use it rightly, as required." That such an instrument there is to use I endeavoured to satisfy you ou the week following; and as, in the interim, I have accumulated proof upon proof, without difficulty or discouragement, in evidence of the accuracy of what I then stated, I cannot do better than quote the passage as it orignally stood: the accuracy of what I then str passage as it originally stood:—

the accuracy of what I then stated, I cannot do better than quote the passage as it orignally stood:—

"Cognisant of the facts to which you have so ably directed public attention, I have accertained, with some degree of nicety, through the medium of my patent regulating air-door, the quantity of oxygen required to ignite the combustible gases, thereby preventing smoke, promoting fame, and increasing the pressure of steam in boilers of all forms, with coal varying from the least to the most bituminous quality; and, as an illustration, I have found that the general run of steam coal from South Wales requires only one-sixth part of the supply of oxygen that is indispensable to the similarly perfect combustion of the West Hartley. Yet in no case can the precise quantity be determined beforehand, insamuch as the furnace draught is not always alike, although all the local conditions of the boiler may appear to be the same; whilst, as between land, marine, and locomotive boilers respectively, and, further, as between marine boilers tried on shore, or in actual use at sea, the difference is very material."

"Moreover, so nice is the requisite adjustment of the regulating plate that, with the admission of less or of more air into the furnace than the quantity previously ascertained with the regulating air-door to be the supply practically required, the steam pressure is invariably lowered. Not enough air, and the coal gases escape uniquited—too much, and the temperature of the furnace is reduced. There is no mystery in this. Experience has demonstrated to me the fact that, when the air admitted is enough to prevent any appearance of smoke from feeding with Welsh steam coal immediately on closing the door, and from West Hartley in less than a minute, the precise supply relatively afforded is continosostyl required, and the requistor is consequently so thred and retained until any change in the description of fuel may render destrable a corresponding change in the admission of air. Less or more, and steam is lost of such

admission of air. Less or more, and steam is lost."

This adaptability of my invention to every kind of fuel, from the least to the most bituminous, is a peculiarity that has been made apparent in several land furnaces (where convenient to their proprietors), and still more extensively for marine purposes. On one foreign voyage the screw-steamer Sgdney Hall (as previously reported in your columns) had occasion to use Welsh and West Hartley coal, separately and mixed, which required three distinct adjustments of the air-passages, so as to supply the precise quantity, as nearly as practicable, to ignite the combustible gases evolved by each respectively.

each respectively.

I will elucidate the matter by further instances. The magnificent screwsteamers of the European and American Company generally use Powell's
Duffryn, or Warliek's patent fuel, according to the port they start from;
but, when abroad, are sometimes supplied with North Country coal. It is
as a consequence of these varying conditions that I am in receipt of the following verification of the efficiency of my invention on board these steamers:

is wing verification of the emicioncy of my invention on board these sceamers:

"King William-street, City, Oct. 1.—We are happy to bear testimony to the value of your patent regulating air-doors, which the chief engineers of the screw-steam ships Lady Jocelyn, Indiana, and Calcutta, certify as being very effective in keeping steam, economising fuel, preventing smoke, and improving the condition of the boiler-room, &c. That we are satisfied with the invention is evident from the fact of your now being in course of adapting it, by our orders, to the steam ship Queen of the South, and we have no doubt of its further progress in the four sister steamers.—Crosker and Co."

In a circular regular control of the control of

no doubt of its further progress in the four sister steamers.—Crossky and Co."

In a similarly practical manner I have to refer to the following, wherein mention is made of the City of Norwich using North Country coal, or patent fuel, as occasion requires. Of the Tonning you have recently published a report, remarkable for its accurate details and favourable results.

"Victoria (London) Docks, Oct. 2.—I am very well satisfied with the efficiency your patent regulating air-doors, which have been in operation in the engine-house sthe Victoria Docks: indeed, so much so, that they have by my recommendation bee titted to the furnaces of the steam ships Tonning and City of Norwich, in both of which they prove to be of great advantage.—C. Capper, manager."

Allow me to add another report of similar importance as regards the adaptation of the regulating air-doors to pre-existing furnaces, although there are, at present, no ascertained specialities to refer to regarding the description of coal supplied.

"New London-street, let: 4.—Your patent regulating air-doors having been fitted to he steam ships Peninsula and Britannia for the purpose of economising fuel, adding to team pressure, and getting rid of the smoke, we beg to inform you that the chief engi-eers of those vessels report very favourably of the invention, and we do not hesitate to ecommend its use.—John Hall, jun., and Co."

J. LEE STEVENS

# THE FARNACRES COLLIERY, NEAR GATESHEAD.

effected.—1, Fish-street-hill, Oct. 18.

THE FARNACRES COLLIERY, NEAR GATESHEAD.

Sig.,—Noticing in your last week's Journal some observations purporting to be a reply to my letter, which appeared on the 9th inst, on the subject of the Farnacres Colliery, I feel thisposed to answer your correspondent (evidently not a thoroughly practical miner) proceeds by stating that small "hitches" are formidable obtaicles and adds that become the miner of the stating that small "hitches" are formidable obtaicles and adds that proceeds by stating that small "hitches" are more continued to the contribution of the stating hitches. As your correspondent dead only formidable obstaicles in gasing through hitches. As your correspondent does not seem to know the distinction bat least in the contribution of the stating that small stating that seems and the stating that proper term assigned its a dyke or fault. When hitches are me with coal is utilised the proper term assigned is a dyke or fault. When hitches are me with coal is utilised the proper term assigned is a dyke or fault. When there is resumes the usual section. The following from the point of the hitch to that where it resumes the usual section. The following from the point of the hitch to that where it resumes the usual section. The following from the point of the hitch to that where it resumes the usual section. The following from the distance is mostly in such cases more or less tender, and this feature appears more or isse to all seams; but I deny such is ever looked upon as any great obstacle, with fuel, thus saving the use of best coal; so that the impression your consequence of the call does not represent the section of the seams of the following from the seat to authorize the seams of the seams of the seat of the seat

SAFETY-CAGES.

SIR,—At the Glascote Colliery, Burton-upon-Trent, a rope has, by some evil disposed person, been cut nearly through, which, in addition to the damage done to the property, jeopardised the lives of the workmen, although fortunately the injury was discovered before anyone descended. A reward of 25L has been offered for the apprehension of the offender, but he has not yet been discovered. From the reports of the Inspectors of Coal Mines, it appears that the secletent in shafts are still fearfully numerous, although there has been some slight diminution compared with preceding years, and this naturally leads be the consideration whether some of the patent contrivances, in the shape of safety-cage, so frequently referred to in the Mining Journal, might not be advantageously adopted. Of course, for an invention to be worthy of general adoption it must be both cheap and efficient, and surely there are many contrivances which would fulfill these conditions. Not many months since a very cheap apparatus was proposed by Mr. Owen, of Pendicton, near Manchester, and soon after its introduction it was stated that wherever it had been applied it had given satisfaction. Why could not this or some similar contrivence be generally employed? Another very effective machine, though probably rather more expensive, was invented by Mr. Emery, of Cobridge, and his model at the Sciency of Ara Exhibition attracted much attention, but since the model was removed Mr. Emery a name appears to have such a tention, but since the model was removed Mr. Emery a name appears to have such a stention, but since the model was removed Mr. Emery a name appears to have such as the top of the shaft, so arranged that it shall rise and fall with the cage, and thus effectually prevent accidents from alla from surface, on persuance and the surface of the shaft is a question whether safficient publicity has been given to the various inventions to make coal owners acquainted with what has been done, and certainly nothing is said of the number of

Devong greated in remain of the street ing the dastre to remain the street in his Simurket 11s. to 2 the manket to attra for a sharen. If not, to You.

# INSPECTION OF COLLIERIES.

Sir.—Although upon the face of the Inspectors' Reports it appears that the number of deaths from accidents in collieries have increased during the past few pears, I think that we have ample evidence that the Act has been productive of good results. I am aware that the aggregate number of deaths in coal mines was 1027 in 1855, 1032 in 1856, and 1122 in been productive of good results. I am aware that the aggregate number of deaths in coal mines was 1027 in 1855, 1032 in 1856, and 1122 in 1867; but I think it is only fair to make allowance for the two more than ordinarily calamitous explosions, at Cymmer in 1856, and at Lund Hill in 1857; before we draw a comparison: we shall then have the numbers 1027 for 1885, and say 955 and 950 mespectively for 1856 and 1857. These extremely destructive explosions seem almost beyond human foresight to prevent; the only way we can console out; solves is that they are of rare occurrence, and we may hope that as the Inspection Act is now more favourably considered by the collierproperietors, and the inspection Act is now more favourably considered by the collierproperietor, and the inspection Act is now more favourably considered by the colliers, and the inspection Act is now more favourably considered by the collieries was introduced in consequence of that explosion, yet the next casualty of equal extent was that at Cymmer, several years after, and although it was followed by the Lund Hill tragedy, I do not think we are justified in concluding that collieries are more carelessly worked, or that a false idea of economy is permitted to outweigh the coal matter's desire to secure the safety of his men. I do not mean to outweigh the coal matter's desire to secure the safety of his men. I do not mean to say that the system of working pursued at Lund Hill was all that could be desired, but all the inspection in the world would not have prevented nor even lessened the extent of the explosion, unless indeed the Inspector had had power to direct what system should be adopted—a power which no Englishman would wish him to be invested with. We must recollect, however, that Mr. Morton informs us that in addition to the appalling secrifice of human life, by which 90 widows and 290 children were let unprovided Er, the proprietors of the mine sustained a pecuniary loss of nearly 20,000.—a fact which will do more to promote a safer system of

# THE NEWCASTLE MINING COLLEGE.

Sir.—Although two opinions cannot exist with regard to the importance of educating miners, so as to raise a class of colliery managers who shall combine scientific with practical knowledge, I do not think the opinion upon the advisability of erecting a College for Miners at Newcastleon-Tyne would be so unanimous. To expect to establish a College in on-Tyne would be so unanimous. To expect to establish a College in any particular district, and fer the use of the colliers of that district onlywould, I am convinced prove a failure, for it is certain that the voluntary contributions of the gentry would not support it, and the number of students would be insufficient is render it self-supporting. The object of the projectors of the College was probably to rear a second Freiberg, but this they could scarcely hope to do at Newcastle, for we do not want colliery managers to take the control of installic mines, and a college on anything like the scale proposed at Newcastle would turn out far more colliery managers than would be likely to be required, and the consequence would be that we should have a large number of mon who consider themselves above accepting a working collier's attaition, and who would be unable to obtain any better employment. If we are to have a practical College of Mining in Great Britain, I think Bristol would be a far more sulf-able position than Newcastle-on-Type. Coal, iron, copper, tin, and lead mines would all be readily accessible, and with a staff of professors not larger than would be required at Newcastle, on ample amount of instruction could be imparted to as many as would be required to undertake the management of all the coal and metallic mines in the kingdom.

I do not wish it to be supposed that I would seriously advocate a Mining College at Bristol, as I do not believe that a collegiate education is in the least necessary for a mine manager, but If we see to have a Mining College, certainly Newcastle in not the most desirable place for it; as, so far as practical instruction is concerned, Newcastle could only make all their men coal mines. It would be highly interesting to your noters of the North of England Mining College themselves go to get their institution supported. I trust this infor-, so that no false notions may arise as to the utility so in their address to Mr. Nicholas Wood. Observers.

#### MINING SCHOOLS, AND CORNISH MINERS.

MINING SCHOOLS, AND CORNISH MINERS,

Sig.—I have read with great interest and much attention the two able
comminications on this subject which appeared in the Journal of Oct. 2,
ton Mr. Robert Hunt and a "Mine Captain." I have likewise perused
be discussion which took place at the Royal Cornwall Polytechnic Instinion. I there perceive that both Lord Falmouth and Sir Charles Lemon
of actions to aid the objects of that useful body, but each expresses a
manner of the task proposed to be undertaken. The plan suggested by Mr. Robert
into has the merit of being both plain and comprehensive, and no doubt will receive
into has the merit of being both plain and comprehensive, and no doubt will receive
into the case of mining education, but if he depends upon the assistance of the
under the will be much mistaken, as my experience, based on the knowledge
of will never receive education until they find it becomes an absolute necessity. If
will never receive education until they find it becomes an absolute necessity. If
will never receive education until they that the Carnish character, leads me to argue that
for will never receive education until they that the Carnish character, leads me to argue that
for will never receive education until they that the Carnish character, leads me to argue that
for will never receive education until they that the Carnish character, leads me to argue that
so prises, and become managers of mines. A "Mine Captain" boasts of their Celtic
spins, and become managers of mines. A "Mine Captain" boasts of their Celtic
representation of was in the service of a breign mining company. Our staff comprised Id my testimony, that they are likewise eminently clannish, in the service of a foreign mining company. Our staff comprised rmans, three Cornish agents, and several miners from the same dt og et up a literary institute, and by discussion endeavour to asily edict information. From this the Cornish agents stood pirt of insubordination among the working men of their own islas. If an order were given it was reluctantly obeyed; and constantly murmured, when referring to one from another part own sopt, "Oh, what does he know about mining? He does. There will be no good done until we have all Cornishmen."

the latent fire was so proximate as to explode at once, and in a shape not characterised by overmuch of courtesy, although I had taken especial care to declare that in discussing the subject, I was merely illustrating a previous assertion of my own, and had "no delite to give offence to the respectable party in question." For the sake of perspicuity, I must beg to repeat that the question in discussion turns upon the fact as to whether or not all advertisers offer shares below the market prices? Set that Mr. Richards does not, has already been shown, and is repeated in full force in his Saturday's advertisement, where for Trewantha he asks '22s. 6d.,—price on this market 15s. For Lady Bertha, 29s.; price, 11s. 6d. to 12s. 6d. Creiake, 27.; price, 11s. 6d. to 12s. 6d. Creiake, 27.; price, 11s. 6d. to 12s. 6d. Creiake, 24.; price, 11s. 6d. to 12s. 6d. The control of the most respectable brokers at these prices. Now, Mr. Richards, atthough writing from his retreat in Devon, is perfectly well aware of the value in our market of every share effort; and, therefore, his prices, of no avail here, are, as a matter of course, intended to attract the uninitiated and the credulous speculators in the country, who thus pay 20s. as a share they could readily buy of respectable brokers here at 11s. 6d. to 12s. 6d., and so no. Does Mr. Richards call this kind of bait for the novice commercial honesty? or floot, under what order of fair trading will Mr. Richards condescend to class it? You are fully aware, Mr. Editor, that for many years I have fearlessly advocated the interests of buyers of shares, through evil and good report; and of late, in a more organised form, appended my name to my remarks, thereby claiming, at least, your protection for abuse and calumny, and, in determining to persover in this course, I trut I may in future also rely upon it. The abuse alluded to is of a most gross character, since it inferentially charges venality on me as a writer in your Journal, which, if true, is describing of the highest express ightimacy consisting in asking (and laking, if the opportunity occurs) 80 to 90 per sit, for a share beyond its value at the time it is offered; and yet a gentleman is to be sund who can not only do such things as a dry matter of business, but defend them in our impartial columns, at the expense of the reputation of others. James Chorrs. Even length of the constitution of the sunder th

PEMBRUKE AND EAST CHINNIS MINES.

Sun,—I have seen lodes in the immediate vicinity of courses of ore, worth from 501. to 60, per fin., become as narrow as the blade of a knife from a thickness of many feet. I should feel a great pleasure if any observation of mine could do good to this excellent company and its worthy agents. It has occurred to me, on reading Mr. Henderson's very shie report, whether the lode, dwindled to a small size, may have been passed in the 162 consacut, in the place where he says "the small velu or branch contained good stones of ore, in favourable matrix." I am aware that 2 fins. have been driven eastward on this rein, and this while persevering against bad air; but, as I have more often seen lodes change their size and appearance than their underlie, it is possible that a few fathoms driving more in this direction may realise the hopes of the proprietary, and verify the account of the agents. I throw out this hint for their consideration, wishing them has success they seem to me so well entitled to.

MATTHEW FRANCIS.

Oct. 14.

# PENGENNA MINE.

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its workings, both of Treburget and Pengema, for many a long year, but I have never sean the flattering indications of wealth in either, especially the latter. Some 40 years say, in my young hour of speculating manis, i thought well of Pengema, and that by a molerate outlay of money I should be rewarded by having a remunerative and lasting mine. Not liking, however, to trust to my then inexperience in mining matters, I called to my aid the experience and wisdom unquestionably of one of Cornwall's most acute and honest mine captains, Andrew Vivian. He viewed and took much pasins in making himself well informed on the merits of the mine. What his report thereon was it is amiccoscary to set forth, save this, that I became no adventurer, and have never to this day repented of the resolve. Since such period the mine has been under the management of captains, I presume, well versed in their vocation; and, saving some small quantities of lend and antimony, chiefly the latter, no beneficial result has rewarded the adventurers. The neighbourhood where Pengemia is situated is not a mineralised one, though, as in most parts of Cornwall, you find occasionally near the surface indications of mineral, yet abundance has never prevailed on outlay of each in research—it is too La distant from granuite. Money to a considerable amount has been willingly expended in the locality to prove its worth for oras; and I believe, though it were backed by Mr. Emor's skill and judgment, it would be in the end a barren adventure. In fine, I cordially assent to Mr. Emor's doctrineas to caution in selecting mines, and believe if there were not so many quacks in mining science as that of others there would not be half the contributions.

### GREAT WHEAL VOR MINING COMPANY.

director to reduce expense, categories, tree accept, withheld from enquiring shareholders; free accept, withheld and every person who has invested to the control of the co

#### WESTERN AUSTRALIAN COPPER.

be superior to that of the far-famed Burra Burra Mine of South Australia. By the Australian Mail, yesterday, I have received my file of the Inquirer and Commercial News of Perth, Western Australia, from the copy of which, bearing the date of July 14, I take, for your information, the subjoined report of an assay of the ore, made at Adelaide: 468 tons were lying ready to be shipped on board the Lord Raglan for England at the date of the last advices. The Geraldine Lead Mine, in the same colony, is giving forth great promise to its workers.—Oct. 21.

ALEXANDER ANDREWS.

"According to a letter received from an experienced assayer in South Australia, it seems that our copper ores are even richer than was anticipated. The assay of four samples from the Yangenooka and Wanerencoka Mines gives the following results:—No. 1, yellow sulphuret, 31½ per cent. copper; No. 2, sulphate and carbonate, 33½ per cent.; In sample No. 1 there were 2 oss. silver to the ton; in No. 2, a trace of silver; and Nos. 3 and 4, 14 ozs. to the ton. The largest of these quantities is too small to pay for extracting. The assayer, Mr. R. W. Rodda, speaks highly of the samples; and with reference to No. 3, states it to be the richest sulphuret he ever met with. He considers that, in all probability, a rich ore of silver will be found. This is indeed good news; and when we hear from every quarter reports so favourable of the value of our ores, and of the capabilities of our mineral district, we are justified, not withstanding the proverbial uncertainty of all mining speculations, in entertaining the most sanguine anticipations with

# Meetings of Mining Companies.

## CATHERINE AND JANE CONSOLS MINING COMPANY.

A special general meeting of shareholders was held at the offices of the company, Adam'ourt, Old Broad-street, on Tuesday,—Mr. W. J. DUNSFORD in the chair.

Court, old Broad-street, on Tuesday.—Mr. W. J. DUNFFORD in the chair.

The circular convening the meeting having been read,
The Chainnas and the object of the meeting was to report on the number of shares
liable to forfeiture. He begged to call their attention to the fact that they were divided
into two classes. There were 1616 shares upon which amounts varying from 2s. 6d. ind
leaves a shared at a special general meeting, held on June 8, 1857. There were also 783 shares
upon which 4s. only was dus, and the question they had now to decide was whether
they would make any difference between the 783 only owing 4s. and the 1616?
A SMARIBOLDER: Are any of the holders likely to pay?
The CHAINIAN said they had no reason to suppose they were likely to pay, inasmuch
as they had received the notice, but he would guarantee the 783 shares to fetch what
was owing upon them. He held in his hands a proxy from a large shareholder, and was
requested by him and another, also not present, to propose that all the shares in arrear,
amounting to 2699, should be forfeited, and that 1616 of such forfeited shares should be
merged for the benefit of the company, and that 783 should be sold by public auction in
the usual way: and it was his own opinion that this was the best course to adopt.
Some discussion ensued as to the power of the company to dispose of the shares, and
the means of disposition.—Mr. Hancock (Hancock and Sharp), the solicitor, suggested
that the whole of them should be forfeited in the first instance, and the disposition of
them should be considered afterwards. A resolution was ultimately adopted, that the shares on which the call of 2s. 6d., made
on March 31, remained unpaid be declared absolutely forfeited, in pursuance of the 15th
rule of the cost-book.

The CHAINMAN, in answer to a question, stated that at present there was a balance in
hand of 334t, which would be augmented to about 500t. by the sale of the before-named
78s shares, at 4s. per share.

Mr. CALKENDER, in answer to a question, observed that the ultim

Colonel Bathurst said that he certainly had not; and felt great pressure in expressing his acknowledgments to the Chairman for the candour and courtesy with which had always been treated in his office.

The following resolutions were then unanimously carried:—"That 788 of the shares declared forfeited be sold by public auction, by Mr. T. P. Thomas, at Garraway's Coffeehouse, on Thursday, Nov. 11, at 1 o'clock, and when sold transferred to the purchasers by the committee, and on behalf of the company."—"That a special general melting be called, to be holden on Friday, Nov. 12, at 12 o'clock, at 5, Adam's-court, Old Broadstreet, for the purpose of disposing of the 1616 forfeited shares not resolved to be sold, by merging the said shares, and declaring that from the time of such shares being merged the shares in this company be and consist of 7146 shares."

A vote of thanks to the Chairman terminated the proceedings.

Notz.—Since the above report was written, our reporter has ascertained, at Mr. Dunsford's office, that the committee had, on application to that effect, and on receipt of the call due on them, restored 393 of the 783 shares forfeited, so that 390 shares only remain for saile by auction.

ny, Lime-street, on Monday,-Mr. J. WARREN in the chair.

company, Lime-street, on Monday;—Mr. J. WARREN in the chair.

Mr. ANDEBION (the secretary) having read the notice convening the meeting,
The CHAIRMAN said, that although at a previous meeting a resolution had been passed
to dissolve the company, the directors did not thak it advisable that that resolution should
be confirmed, but that it should be continued, to afford greater opportunity to sell the
mine and the property belonging to it. Every advice they had received from Mr. Baker
jun, and others stated that the mine was doubtless of considerable value; but they were

apon the vital part.

what position the pipprietors would be placed if the resolution secon mg, to dissolve the bompany, had been confirmed?

way, aid, in that case very serious difficulties would be found in dissection.

### GOVERNMENT SCHOOL OF MINES.

On Monday, the lecture, by Dr. PERCY, treated of "Certain Combinations with Metals." Carbon had a great influence on various metallic bodies; the mode in which they could separate this was to melt the oxide with a common flux. Pig-iron in general contained about 3 per cent. of carbon: this is got rid of in the puddling process, principally by the influence of atmospheric air; but on this subject he should speak further when he came to the reduction of iron. With regard to metals and silicon, this hast had a most marked effect on the physical aspect of metals, and it was not until very lately that they had acquired any great practical knowledge on the subject. This was a most remarkable metal: sine and aluminum have a great effect on it. The influence of silicon on copper and iron is worthy of note, and it is said to give to the latter metal the property of red shortness. An alloy of copper and silicon was here shown, which had the appearance of silver. In a small quantity silicon does not affect the colour of copper, and in some cases it is not unlike the metallic alloy of tin and copper, denominated bronze. If silica, charcoal, and copper, finely divided, and the last not allowed to fall through, are heated at a high temperature, silicon will be obtained. The same may be observed with regard to pig-iron, silicon, and platinum: heated aione there will be no visible effect, but take carbon and pistnum, and heat them in contact with silicon, and an alloy will be produced. A specimen of this was shown and described. They would now come to the separation of the silicon from the silicides; this was either done by heating with access of air, or by heating silicon with metals and bodies containing oxygen at a high temperature. With regard to the combination of metals with nitrogen, he should not detain them at any great length; this plays, however, an important part in metallury. The metal found in the blast-furance, so long taken for copper, and proved to be titanium, is greatly influenced by nitrogen. On this subject he could recommend, among other works, to their notice Gmellin's Handhook of Chemisters. Next. of metals bodies; the mode in which they could separate this was to melt the oxide

phous or vitreous; if, however, it occurs slowly they are crystallised. In many can both conditions are co-existent in the same sing—the outside will be vitreous, while interior portion will be highly crystallised. Several specimens of the various sings we exhibited. The process of devitrefication was then alluded to, and illustrations gives the difference between the rapid and slow cooling, and the French process of making giby means of cylinders described. Sometimes a sing may have been perfectly defin and be changed; in fact, become pseudo-morphous. An instance of this was in the cof the well-known substance called "buil dog," which was used for the purpose of mig bottoms to blast-furnaces. They had the perceide of iron, which had no business be there, introduced by the access of air. The amorphous sings may be divided it several varieties. There are the vitrous, the compact, the accular, and those where the colonially they are proous. The specific gravity of the slags depends, in a certain extent, may be said of their hardness and toughness. There are several where are certain extent, may be said of their hardness and toughness. There are several where are colour-green, be the cooling. Some are so frangible that they can easily be broken by a small ham while others resist heavy blows. They vary much in regard to colour-green, be richest colours prepared in any pottery. The composition of slags grad differed. They principally consisted of silica, lime, protoxide of iron, aluminum, not unfrequently manganese would be found occurring in them.

On Wednesday Dr. Percy resumed his lecture. The component pa

On Wednesday Dr. Percy resumed his lecture. The component parts of slags in general were silica, alumina, magnesia, and lime. They were in many cases definite: first, there were those which had only one base; secondly, others which had two bases, such as the common slag, which contained a great quantity of protoxide and sesquioxide of iron; and, in the third place, there were slags which have a well-defined form. There are a variety which have an indefinite composition, and these are often mixtures of definite substances. They must not, however, confound the term mixture with combination. If they take granite, they will find that this is composed of three different compounds—quartz, felspar, and mica. Sometimes, from their appearance, copper ore slags are taken for porphyries; in this case the quartz, which gives it this appearance, is held in a state of suspension—these contain a great deal of protoxide of iron. When the ore is not well melted there will be discovered in the slags globules of metal. In the melting of the in many cases definite: first, there were those which had only one base;

Mr. Baken (solicitor) said, in that case very serious difficulties would be found in disposing of the mine. Were the company dissolved it would, of course, cease to be a corporation, whereby considerable light difficulties would ensue, and great expenses be incurred. In answer to a question from a proprietor, the Chairman said that to compel people to pay if they were not willing would involve the directors in considerable littigation.

A Sharehotder: But the plan would be b commence with the greater defaulters. The Chairman gentleman would enter into a bond to pay certain expenses, that would be a different matter; but he (the Chairman), as one of the directors, should oppose it, for he had much rather put up with his present loss.

A vote of thanks to the Chairman terminable the proceedings.

PATENT OFFICE LIBEARY.—The Commissioners of Patents have just added to their free library, amongst many ofter useful and interesting works, the Laws of the Chairman terminable the proceedings.

PATENT OFFICE LIBEARY.—The Commissioners of Patents have just added to their free library, amongst many ofter useful and interesting works, the Laws of the Stannaries is the Counts of by Edward I, for creeting the timers of Cornwall and Devon into a corporation; the house of Cornwall, the timers of Cornwall and Devon into a corporation; the path of the counts of the Stannaries in the Counts of the Duke of Cornwall, the timers of Cornwall and Devon into a corporation; the path of the Counts of the Stannaries in the Counts of the Duke of Cornwall, the counts of the Stannaries in the Counts of the Duke of Cornwall, the counts of the Stannaries in the Counts of Counts of the Counts of the Stannaries. The work will wait repay perusal by all the timers of Cornwall and Devon into a corporation; the path of the Counts of the Stannaries in the Counts of the Duke of Cornwall, the counts of the Stannaries in the Counts of the Counts of the Counts of the Counts of the Stannaries in the Counts of the Counts of the Counts of the Counts of the S

would be denominated the flux, and the compount of silics and soits, sings. These latter may be found in several ways, sometimes under the process of exidation, as is the case of the reduction of pig to wrought-lron during a peculiar process. In the smelling of sulphides, the metal in the first place is sub-over to an operation to get rid of the voin-stone or gangue; in the case of copper, where the ore contains about 9 percent, the rest of the substance is iron pyrites, silica, and other matters. When these are tapped out together, at the top you obtain a sing, and underneath a sulphuret, about 35 per cent, being the average of that contained in pure copper pyrites. This is technically called in English, metal; in French, matte; and German, stein. In one operation you may have sometimes three things, as in the smelting of galean with iron; on the top there is silicate of sods, in the middle sulphide of iron, and the metal at the bottom. Occasionally there are four, and this is when speises (a compound of arsenic) is used. They will then have—first sing, then matte, followed by speisse, and lastity metal.

The term reacting which is used is nothing in a culinary sense. These differ from each other as they are practised, either by heat, or with bent aided by the access of air; in simpler words, to effect oxidation at a high temperature, roanting is used with clayey iron to get rid of the carbonic acid, with lead to expeit the sulphur. There are likewise certain complex actions, as in silver, where chloride of solium enters into chloride of silver. Calcination is sometimes used as a synonymous term. Sulphate of from is

in simpler words, to effect oxidation at a high temperature, roasting is used with clayer (ron to get rid of the carbonic acid, with lead to expel the sulphur. There are likewise certain complex actions, as in silver, where chloride of solium enters into chloride of silver. Calcination is sometimes used as a synonymous term. Sulphate of iron is largely calcined for the purpose of polishing glass. The mode of calcination is performed in several ways. Firstly, by pling the ore in large heaps; this is a very simple method, as some of them will burn for ten months when ignified; the sulphur which they contain is the fine! Secondly, in reverberatory furnace, with a bottom of irre-brick, that had been some of them will burn for ten months when ignified; the sulphur which they contain is the fine! Secondly, in reverberatory furnace, with a bottom of irre-brick. The operations to be conducted here required great care; too much heat must not be placed on the mass at first, or it would be apt to cito, and become party, so that it would be requisite to reduce it a second time. Reasting may take place alone, as is the case with copper, or by the introduction of other matters, as practised with silver. The rapidity of exidation will depend upon the surface submitted to the action of heat and air. With regard to distillation, the reduction of zinc is one which comprises that and volatilisation. The fecturer then described the methods of distillation per ascessus and descrassus. There was another process, called liquation, or eliquation. Take copper would obtain nearly all the silver, while the copper would romain a porous mass. They must be exertly, however, not to heat this too much, it being necessary that lead should be so heated as to flow, at which degrees copper would not melt. Sublimation was used with arsenic; this was heated with a becenic; this was heated with a copper would not melt. Sublimation was used with arsenic; this was heated with some consessor at large ware used: these were divided into two classes—refra complex actions, as in silver, where chi Calcination is sometimes used as a specifical far the management of the calcination is sometimes used as a specifical far the management of the calcination of the

MINING MARKET .- We have received the following communications :-

oxide or mangamene; lime, 0.700; manments, 0.741; points, with a trave of sols, 2.72; water and organic matter, 9.60. These they had found very durable, and they would further consider the other varieties of clay in a subsequent lecture.

MINISM MARKET.—We have received the following communications:—Mr. JAMES CROPTS:—In the face of a continuous decline in the value of meney, only to be noticed as a relative question, the Baak of England still atheres to the related of discount at 3 per cent., from which it must be interest that the directors have operations in a sound state, since a course of action which deprives them, as must be assumed, of a large amount of profit would scarcely be continued aimset in opposition to policy upon ordinary grounds. It is probable that the public press was never more at the continuous of the Baak in this matter, which even the "combined talance" fall it posteries. It must be observed that the railway traffics are not in so satisfactory a condition as could desired and was certainly expected by this time, nor do Consols to that over each pare, we was so combined ty predicted some time since; but, on the other band, there has of late been repaired by the still of the band. There has on late been repaired by the still of the predicted some time since; but, on the other band, there has of late been repaired by the still of the predicted some time strength predicted some time since; but, on the other band, there has of late been repaired by the still of the predicted some for a section of the still of the predicted some time strength of the predicted some for manufactures which alone is watching to restore the country to a sound state of presperity.

Batter of the predicted some time of the predicted some band are cleared will be that resourced the predicted some predicted some

om Mr. RICHARD TREDINNICK:—During the week considerable business been transacted in the following shares, and the market generally maintains: een transacted in the following shares, and the market generally maintains a st Caradon, from 1600. last Priday, now stand at 1100, to 1150.; Bryntail 40. to 61., and the mine looking well. Besore, buyers 31., with an absence of m at higher quotations. West Circuitle in demand at 9s, per share: exceed lares are "beared" in this company, and every effort is made to depreciate the The latest report to the Mesers. Taylor and Sons state the end to be worth ing 1000 shares are "beared" in this company, and every effort is made to depreciate the property. The latest report to the Messer. Taylor and Sons state the end to be worth 144, per fathom; and as 2s. 6d. per share will defray the expenses of erecting an engine, and the ore ground now laid open west of the cross-course must be about 30 fathoms in length, a short time only is required to render this unine second to no young progressive mine in the district. West Basset is improved in one or two important points. West Seton shares unfortunately (as the prospects are equally good) are heavy, and stand at lower quotations. Mary Ann and Trelaway shares are firm. South Caradon, on the contrary, are more freely offered. Margaret, Providence, and East Providence have been in good request, and rule higher. Margaret, Providence, and East Providence have been in good request, and rule higher. Margaret, providence, and East Providence have been in good request; this property is rapidly developing, and, according to usual practice, every effort is made by brokers unconnected with the adventure to depreciate the stock. Pendeen Consols stand lower; still the prospects are good; time and outlay will secure success. Buller and Basset loke is improving at shaft. Geest South Tolgas, South Tolgus, Basset, Dolcoath, Carn Brea, Par Consols, South Caradon, Providence, Maryaret, Mary Ann, Trelawny, Botallack, South Frances, and West Basset are all good and south dividend companies; whilst Tolvadden, Bryntail, Old Tolgus United, Buller and Basset united. Belier and West Penstruthal, Pendeen Consols, Uny, West Greenville, North Bussy, Mill Pool, and East Providence, are the first progressive non-dividend, adventures on the tapis, possessing chances of success far in advance of risks incurred—that is, prospects of increased market value, without corresponding hazard as regards fallers or market depreciation. MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPO

[EXTRACTS FROM OUR CORRESPONDENCE.]

The rise in the Standard, small as it was, gives indications of a move in the right direction. The quantity selvertised for sale on Thursday next is unusually small, being scarcely 3000 tons. We are assured many of the large copper-producing mines are devoting their energies to the production of this, if they contain that mineral, which is frequently the case. The tin is found to fetch a better price in proportion. The machinery for its manipulation has been so materially improved within the last few years that it dressing is not that tedious and expensive process it was formerly; this has led mainly to the difference. Daily experience shows that ore dressing is far from perfection, and that there is ample scope for the ingenuity of our skiffst unchanics and artizans. No subject we know of, indeed, offers a fairer field for enterprising talent, nog is there any greater desideratum to be effected. We are glad to learn that several new projects are about to be tested, and wish the projectors success. We hear of a valuable clan being introduced into Courawall from Waise. vater desideratum to be effected. We are out to be tested, and wish the projectors subsided into Cornwali from Wales.

projects are about to be tested, and wish the projectors success. We hear of a valuable plan being introduced into Cornwall from Waies.

Sr. Agones.—It is pleasing, at all times, to record signs of improvement, which, although little for the present, may be the harbinger of better things. In this district for some time a great gloom has been hanging over us, the downward tendency of minerals of all descriptions not, by any means, giving us better prospects, but possibly compliaints are at the present moment too general throughout the county, and we, observing the smallest glimmer of brightness analist depression, feel happy in recording it. There is a mine having just commenced, calted Pennatals, north of Wheal Kitty, bordering on the sea, which has not been wrought for at least 100 years; and when it is considered the position of the mine, it is marvelious that it has so long remained dormant. The number of lodes, its congenital strata for tin, and the known dip of all minerals to the east, point it out, without too sanguine expectations, as the legitimate speculation of the district. On Saturday last the celebration of the recommencement of working the mine was given at Wheal Kitty account-house, under the able presidency of Mr. Newton, the purser. The preliminary toasts having been gone through, "The Adventurers' was given, and responded to by Mr. Hitchins, who was delighted to have the opportunity of seeing his friends under such favourable circumstances as opening a mine which all have been taught to believe is a speculation of the highest promise, fraught with the greatest importance to the district generally, being surrounded with the richest of mines, going back handreds of years, its proximity and juxtaposition with the Poherro Crasols, the Pink, Wheal Kitty, and the libu Hills, leading to the belief that this mine will ultimately take its stand among the leading ones about. Capt. Edwards, the manager, and Capt. Arthur Gripe returned thanks as agents of the mine, each expressing a hope of Jis future su

BORRODALE BLACK LEAD MINES (Cumberland).—These celebrated BORRODALE BLACK LEAD MINES (Culture and June 1) and the Limites were opened on Wednesday, by an influential company, formed under the Limites were opened on Wednesday, by an influential company, formed under the Limites Liability Act, with a capital of 20,000, in 5d. shares, fully paid up. The appearance of Liability Act, with a capital of 20,000, in 5d. shares, fully paid up. y presents the most encouraging prospects of its yielding sufficient black lemand of the pencil manufacturers, who are eagerly anxious to pur-dooo!. per ton, they having during the last eight years been compelled rticle, of an inferior character, rendering it almost impossible to secur

to use a foreign article, of an interior character, rendering it almost impossible to secure a good pencil.

WHEAL EMMA (Buckfastleigh)—There is a great improvement in the load at the 46 driving west, and the ground eased from 81, to 50s, per fathom. The engine-shaft below this level presents the most encouraging prospects for the 58, both east and west, which depth will be reached by the end of November. Altogether this mine never gave such proof of great productiveness in deep levels as at present. The finest course of yellow copper ore ever seen in the mine is opened in the bottom level, in whole ground from surface, a depth of 66 fathoms. This is east of the engine-shaft, and a rise which is up 5 fathoms, and from which three men will produce 30 tons of rich grey and yellow ore this month, proves as far as seen the continuance of the ore, and which appears to be a new shoot, with every prospect, as far as practical judgment can predict, of holding to addit, as in the case of the western shoots. If this opinion should prove correct, and each level to adit should reach it by 7 fins. driving, as in the case of the 46, it requires very little foreight to predict that the mine will very shortly be in the Dividend List; and as it could long since have gained that position, if simply a dividend or two were all that the manager amed at, it may be fairly interred that when its name does appear in that list it will carry with it a conviction to all its shareholders that the sum placed opposite its name will be uniformly increased to their entire satisfaction, as well, perhaps, as to the suprise and envy of some of those who have indulged in the erroneous belief that the silent contempt of the manager to certain disparaging remarks in the Mining Journal, arose from weakness in the resources, or want of confidence in future.

PHENIX MINES.—In our Obituary of Aug. 7 we recorded the lamented

Phœnix Mines.—In our Obituary of Aug. 7 we recorded the lamente cease of the late Capt. Samuel Secondary of these mines. We have now the pleasure notifying the appointment of his son, Capt. James Secondae, as his successor in the anagement. From what we learn, we believe the appointment highly creditable to the dement of the proprietary, for a more meritorious young man, or one more fully content to the duties, from practical knowledge, habits of business, and propriety of conact, could not be found.

DEVON NEW COPPER MINING COMPANY. - We understand that a mining ompany under this title is now in course of formation, for the purpose of developing one of the mineral awaith in the Asiburton district, under the auspices of several genemen of considerable wealth and standing.

Itemen of considerable wealth and standing.

TALYBONT.—During the late pressure many mines, on which a large amount of capital had been expended, were abandoned, some of which have since been brought by parties of working miners in the neighbourhood on tribute; and it is gratifying to know that in all cases the men have been amply remunerated for their trouble. A very small outlay, in addition to the sams aiready laid out, would suffice to put them into a regular state of profits; and it is to be hoped they will not long lie dormant, as parties in the neighbourhood are willing to assist in their resuscitation, and a little help from other quarters is now all that is wanting, which, no doubt, will soon be found.

The rich allow of the discovered at November 1 provides of the content of the standard of the content of the

The rich silver ore discovered at NORTH DOLCOATH is muriate of tha metal, with native silver. The lode varies from about 6 in. to 18 in. wide. The cape of the lode contain silver to the amount of 9 ozs. to the ton; this is the lowest assay ye given from any samples, and the highest we published in our last week's Journal.

OLD Tolgus, the 32 east, on the south lode, has considerably im oved; it is now producing 1½ ton of copper and I ton of blende per fm. and still wing. The new lode met in the 32 is producing 2 tons of copper and 3 tons of blender fm. Should this lode be found to continue back, a cross-cut will be put off morth to intersect it; the prospects for deeper levels are of the first order. The st cross-cut are being prosecuted with all possible dispatch to the important junct i lodes at deeper levels.

The Great Hewas United Mines have much improved during the last

and in the east mine the lode is getting clear of the slide.

EAST WHEAL BUSY.—This sett is about to be spiritedly worked by a cost-book company, with a capital of 1024/. The mine is situated in the parish of Kes and is held under ticence granted at 1-15th dues till machinery may be erected thereon and subsequently at 1-15th. It is to the east of Great Wheal Busy, and on the south is in a direct parallel with many mines which have returned large quantities of coppe and it in order. The mine was worked about seventy years ago by a few poor men to the depth of about 8 fms. from surface for tin, large quantities of which of excellent quality are said to have been raised and sold. They are now breaking some excellent tin or from the back of a cross-cut in the adit level about 15 fms. deep. The West Cornwal Railway passes through the soft, thereby affording every advantage for the carriage or materials to and ores from the mine. It is believed that the necessary machinery, pit work, &c., can be erected, and the mine effectually drained, for about 3000/. The mine has been inspected and reported upon by Mr. G. Henwood and Capt. John Tomkin, each of whom describe the prospecte as highly encouraging.

West Chennals And Regents—Aathe levels are being cleared, immortant

WEST CRINNIS AND REGENT .- As the levels are being cleared, importan runs of ore ground have been laid open. The ores sold on the 7th inst. weighed 1001, for the two months. There is every prospect of a great increase in the retu 1001 as the trainroads and other appliances can be made available in the levels for

New Treleigh.—The present prospects of this mine are of a more encouraging character than has been presented for some years part, and there is every reason to anticipate that the mine will be it a paying position before long. The 60 east is now 5 fms. east of Carr's shaft, and for fhe whole length a good lode exists; in the bottom of the extreme end the lode is about 2 feet wide, I foot of which is solid yellow ore, making a produce of 16 per cent. The lode in the end, from back to bottom, will average 3 tons per fathom, and worth 20t, pr fathom; large streams of water are issuing from the end, which is strongly mineralised. The shaft is down 6 feet below the 60 and the lode is producing 3 tons per fathom, and the ore is improving in quality as they sink. At the 40 a cross-cut is being drive south to intersect the Great Fortune lode which is daily expected to be cut, and whence great results are unticipated. Under these favourable circumstances there is every reason to believe the proprietary will be remunerated for their forbearance and persewrance.

Converte: The processors here have been much improved, theough the

GERNICK .- The prospects here hate been much improved, through th intersection of a large caunter lode in the 38, the ground is altering, and it is ethat when the civan is passed, and the lode opened on in the killas, the lode found productive, as is being verified under smilar circumstances in Trevole M

HUNTINGDON TIN MINE (Buckfasteigh).—Great expectations are en-tertained of the returns of the from this mine. The lode, for 40 ms. in length in the bottom of the level, produces superior tin, and in one part is very rich. The deeper levels will be looked for opinion of all is in favor 10 fms, are upon the mis

PEDN-AN-DREA MINE. - A poor fellow met his death at this mine on Friday last. He was at work in a level with his father, and a large piece of rock fell from the roof of the mine, and killed him. The man lore an excellent character for industry and sobriety, and had been building a house for limself, purposing to have been married in about three weeks. The misfortune appears to have been entirely accidental, no blame being attached to any person connected with the mine.

CARN BREA MINES .- A splendid lide has been cut in the 90 fm. level: CARN BREA MINES.—A splendid lade has been cut in the 90 fm. level: the lode has been driven on 4 fms., and is vorth 4 tons per fathom. This is a great discovery, as the ground is whole to the surface. From the appearance of the copper ore, a run of tin ground is certainly below, as at he neighbouring mines—Wheal Bailer, &c. A close examination of this mine shows the Pedn-an-drea lode to be one of the Carn Brea lodes. Though at the distance of 1½mile, the lode is similar in character and composition. This spot is well worth a visit by any one conversant with mining. The works executed here will convince the most sceptical that large setts are advantageous. This is ¾ mile long by ½ mile wide, has been working for 24 years, and is not yet half worked. The agents speak in most positive terms of the sterling value of the mines, and are vigorously exploring the ground. The mines have yielded a profit of 280,000% to

the fortunate adventurers, on an outlay of 15,000%, ar to give dividends as long and as great as heretokre. of the stability of Cornish mines.

or the stability of cornain mines.

TRESAVEAN MINE.—We are glid to hear that Capt. Martin is likely to soon get this mine into efficient working order, the applications for shares being numerous. At the sale of materials, held on the mine on Wednesday last, none of the engines were disposed of, and the materials did not go off with the readiness that has been factoristly observed lately.

BRYNTAIL.—There is every probability that this mine will shortly re-

BRYNTAIL.—There is every probability that this mine will shortly resume its dividends and become a permanent paying mine. The discoveries recently made are about the most remarkable for many years in the Principality.

The "Cornuma."—As you have noticed in your Journal the heavy weather sustained by the Cornubia on her passage from Bristol to Hayle on the night of the 6th inst,, may I trespass on your space to mention that, while the passegers be testimony to her galant bearing on that night, very many, and among them men of real matical experience, repretted that she should be put through such unnecessary. There was small possibility of making Hayle that tide, and yet full speed was maintained, while sea after sea was hurled upon the noble ship, which straggled on as few such side her could have done; spreading alarm and consternation where all might have been peace and quietude, while to swell our fears, the waves rushed through the hatch, and down the companion into the second cabin, setting all afoat. Loud were the opinion there expressed that a bask, whose safety was of such importance to the trade of verteen Cornwall, ought not to have been driven so recklessly through such heavy seas and in such a gale, that it could do no good to the ship, and might do great injury to herowners.—

J. E. J.: Camborne Vean.

Linteen Mines (Tayistock).—A very considerable investments.

United Mines (Tavistock).—A very considerable improve taken place during the past fortnight, especially in the 48 east, where the lode is now very good for tim. There are several other points which have manifested improvements, and I verify believe if the large quantities of tin ground now standing in the backs of the 36 and 48 fm. levels were taken away on tribute the returns would be increased.

and I verily believe if the large quantities of tin ground now standing in the backs of the 36 and 48 fm. levels were taken away on tribute the returns would be increased.

Drake Walls Mine—"Spaling."—An important mining case has just been decided at the Tavistock County Court—the plaintiff (John Walters) being a workpain in, and the defendant (Capt. Gregory) the agent of, the above mine. The plaintiff declared that the amount claimed (19a. 3d.) was due to him for gase. He was one of a pare of men who worked in the mine; there was if, kept back as a "spale," in December last for stopping half an hour during the working hours, but he was subsequently paid half of it again. The agent had also stopped another 7s. 6d. in December, but he scarcely knew what it was for; and in September last 2s. 6d. was stopped for use sending a doctor's certificate when he was absent. Mr. Chilcott (for the defendant) said the amount was small, and the adventurers would at once have paid it, were it not that the question involved was of some importance. Capt. Gregory, being the agent of the company, was compelled to see that the work of the mine was properly exceuted; and, in accordance with the contract entered into, 7s. was deducted for neglect of work. The contract was taken for two months, but the price of ore fall to so great an extent that the committee of management determined to reduce the wages 12½ per cant, that the combinate of management determined to reduce the wages 12½ per cant, reduction for December I, notices were posted on the mine ammouncing that the surface languages were to be suspended, and that the men would have permission to leave or to give up where the proper of the men having consented to the reduction, their contract was continued from work without leave, and by the roof of the mine, and to which the plaintiff had subscribed his name, the agents had the power to fine him for the offence. Most of the Cornish mines made a similar reduction in wages at the time in question. The Judge enquired whether, if a

do so. A verdict was given for the defendant.

THE PORKELLIS UNITED MINES.—These mines, with the whole of the machinery, comprising a 60-inch cylinder pumping engine, a Sim's winding engine and gear, a steam stamping engine, 80 heads of stamps, and every kind of machinery and materials to correspond, and requisite to work mines of such magnitude as the Porkellis, were, on Tuesday, offered for sale by auction, at the Mart, by Messrs, Gaken, Winterflood, and Ellis. It appeared that the necessity for the sale had arisen from the unwillingness of the shareholders to provide the amount which was necessary to repair an accident, that of the falling in of the shaft. There was but little competition, and the whole of the mines, machinery, and materials, were knocked down at 1760.

MOLLAND MINE.—The difficulties which have attended the operations here are more than likely to be overcome in course of sinking and reaching settled ground, where the numerous sides, which have hitherto proved so annoying, are evidently wearing out. The 32 cast is much improved, and worth nearly 2 toos per fin. of good ore.

tion by a Cornish engineer; these will be crected on mines in different localities. The model was examined on Saturday last by Capt. Charles Thomas, of Dolcoath, Capt. W. Thomas, and other mining celebrities, who all expressed a belief that the principle will answer well. The engineer to whom the manufacture has been confided feels quite sure of success, and of its being largely introduced. All the mining authorities, save one, have given a favourable opinion; but this one, we are given to understand, is an interested party, being himself an inventor.

An Eventor

An EVENING SCHOOL FOR MINERS, at a very cheap price, has been commenced at the village of Pool, midway between Camborne and Redruth. If was to be opened on Monday last, that being the Monday of "Hiogan Feast," when all is really feasting amongst these people. We think the time was ill-judged for making a commencement, as the first blow is half the battle. The prestige of its opening with celat would possibly and probably have done wonders in its favour. As it is, we sincerely hope the project may be attended with success. The locality selected could not have been better, and the master is perfectly competent.

OLD TOLGUS UNITED-(By Telegraph, Friday, 8 A.M.).-The 32 west, CALD TOLGUES UNITED—(By Relegraph, Friday, 8 A.M.).—The 32 west, south lode, yields 1 ton of copper ore per fin.; the 52 east, 2 tons of copper ore; the west, on engine lode, 2 tons of copper ore and 3 tons of blende; the winze below the interpretation of the first per fine the rise above the 32,1 ton of copper ore per fin. About 30 tons of and; in the 10 west, on new south lode, ½ ton of copper ore per fin. About 30 tons copper ore and 60 tons of blende are now dressed, and a like quantity is in progress of casing. We are now in full course of working, but, owing to the pitwork being re-dedled and permanently fixed from the adit to the 44, the mining operations were all tsuspended for fully six weeks, until 10 days since.

GREAT WHEAL VOR UNITED MINES .- Several enquiries having been

GREAT WHEAL VOR UNITED MINES.—Several enquiries having been abbressed to us requesting information as to the progress of operations at the mines, and he actual position of the company, we have pleasure in publishing the following particulars, which we have obtained from a well informed correspondent:—"You may depend that the directors are desirous to do their duty thoroughly, conscientiously, and to the best of their judgment, for the advantage of the mines and the surprietary. Wheal Metal has lately failen off, which has considerably reduced the resurns; it is, however, reported to be again improving. The stopes in the bottom of the bid mine at present available are poor, but I understand instructions have been forward to lay open, scrape clear, and blast the bottom stopes, in order that they may have a horough inspection, so as to be able as far as possible to accretain their present and propertive position. It is expected, therefore, in the course of next month to know with more reliable accuracy the condition and quality of the bottom levels, and the run of tin ground in the old mine. In the meantime, they are suspending unproductive work, and relucing the expenditure, until increased returns will allow a larger outlay. By independing the expenditure, until increased returns will allow a larger outlay. By independing the expenditure, until increased returns will allow a larger outlay. By independent of the bottom, they are reliable expenditure, until increased returns will allow a larger outlay. By finder the bottom, they are reliable to the bottom, the plunger in the 236 is at work, the balance in the 180 is fixing in, to that the rods are relieved, and every facility for drawing stuff completed. The former workers drew with one kibble, containing, I believe, I cwt.; their two skips according to the first of the bottom, they are raise power stuff to more advantage. Every hope is mertained that they will succeed, though, of course, greatly disappointed in having to make the force of the theory with the cart

PRESENTATION.—On Monday last, at the Wombridge Colliery, near Welongton, Salop, Mr. John Hocking, Jun., of the firm of Mesars. Hocking and Loam, sug-cers, Redruth, Cornwall, was presented by John Bennett, Esq., with a handsome silver up and salver, manufactured by Mesars. Olilvant and Bottsford, of Manchester, in re-guittion of the satisfactory manner in which he had completed his contract for the rection of a large pumping-engine on the above estate.

NORTH WALES MINING DISTRICT.—The coal trade is decidedly improv-NORTH WALES MINING DISTRICT.—The coal trade is decidedly improvgin the Rusbon district, and considerable preparations are being made at the greater
of the collieries for the large demand which is expected to spring up for wintersuplest. The land sale trade in the district of Wrexham is very brisk at present, but the
port business continues somewhat slack; still a considerable quantity of coal is seatin. In the iron trade there is not much improvement to be reported either in pigs or
six; but it is highly probable there will be extensive orders for the next month, as the
affordshire trade is improving, 34. 15s, per ton being now given for hot-biast pigs. The
mikey Iron-works are progressing most favourably, and it is expected that very shortly
large and lucrative business will be established there.

Contract Progressing most characteristics to the local property, a very valuable

COAL IN DOWNSHIRE.—According to the local papers, a very valuable of coal has been discovered at Tullygirvan, near Saintfield, Downshire, on the estate COAL IN DOWNSHIRE.—According to the local papers, a very valuable set of coal has been discovered at Tullygirvan, near Saintfield, Downshire, on the estate of Messrs. R. and S. Walker. Some specimens have been procured near the surface, which are said to be equal to any Scotch coal of a similar description. It is described as closely esembling the anthractic found in Pennsylvania and in Australia. It is interspersed with Silurian rock, which shows well-defined fossits of the graphtolite species (sea pens), and other shells; and also plumbage and from pyrites. The breadth of the vein already moreovered is upwards of 25 feet, and it is supposed to be 20 feet in thickness, but that act must be problematical until (as we presume it will be) the vein has been properly splored and worked.

IMPORTANCE OF SAFETY-LAMPS.—A prominent instance of the neces Colliery a few weeks since. A fall of roof occasioned an issue of gas, but owing to mights being entirely excluded from the pit no loss of life resulted. Mr. John Brown Barnisley, is the viewer, and the caution he has exercised in using safety-ismps cape too highly commended. The lamps used are Stephenson's, which possess in the too body of the property of the pro

Explosion at Bedford Colliery.—At an inquest upon the body of ice. Evans, aged 60, who lost his life by an explosion at this colliery, a verdict of "Accidental Death" was returned. Whilst working with a naked light he hoised an old rowking and an explosion ensued, from which he died two days after the accident. Mr. bickinson, the Government Inspector, remarked that the accident occurred from an error in judgment on the part of the fireman, underlooker, and deceased, in not using acty-lamps when they knew they were near the old workings.

Bouled Explosion—Figure 2. Process Theorem the project of the en-

BOILER EXPLOSION-FUSIBLE PLUGS .- Through the neglect of the engine man, who was killed by the explosion, ro supply water to the boiler, an explosion oc-curred at Messrs. Hibbet and Son's mills, Hyde, by which some considerable damage was done. It transpired that some time since John Barker, the millwright, substituted as iron ping for the fusible ping which was first fixed in the boiler, intending to after it when the engine was next cleaned. Had this intention been carried out it is probable that the accident might have been prevented. ALTI
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## FOREIGN MINES.

FOREIGN MINES.

ALTEN AND QUENANGEN MINES.—P. Wilson, Sept. 8 to 24: Raipas: is all the workings, as well under as over the adit, the several lodes continue small, and see has been, on the whole, no permanent ligatory consent, though fully as much ore is seeg gaised.—Old Mine: The produce here is at present good, and the aspect of the mine himperoyed and promising. In witca No. I the lode is now more than I fan wide; the quarta is gradually giving placy, to a more kindly matrix, well mixed with one of a pair quality than we have late by had—about 4 tons per fathom. The lode in the stopes give is very large, fully 2 can, and especially on the hanging side contains much ore, a wimae, 80 fms. furl-ire south, has now been sunk nearly I fin. on the slide below the stift; the water has not troubled us much, and the stope is favourable for sinking. The cross-cut fire at has hallow adit towards the west lode there is now a caunter isodes wide, hi ghty impregnated with ore; the west lode is now only a few fathomal and will soon meet the caunter. From Thomas's lode more than the usual results of ore is now being raised, though the quality is lower than formerly. The clind Lines and Michell's are at present worked only by tributers, most of whom are pism, ore enough to remunerate them at the usual rates. At Quenvig there is no appleance of the lodes falling off, but it is doubful how far operations cau be carried on large during the winter.—Quamangen Mine: There is little alteration in the stope under the work of the lodes is a fing and productive; in the driving eastward from this stope as feels to becoming richer, and the ore in a less disseminated form. In the winge west the stope the lode is not particularly rich, but tolerably well mixed with purple and pulled with the productive in the stope of the start. The productive is the stope of the tart in the stope of the tart is not particularly rich, but tolerably well mixed with purple and pulled with the produce of the start. The cross-cut towards lode D is progressing

and wait prestuce I ton silver-lead ore per lachter.—Surface work: We have put in a new sex in the larze sheidhouse, and are repairing the roof, in order to get if ready for cobligg and dressing in, as we may som expect cold weather.

Pontgina Dinkes.—Captain Rickard, Oct. 19: Roure: The stollen, sein from Agnes' shaft, is looking better than it has for some time past; the part of its fole carriest in the end is yielding ½ ton of ore per fin. The deep adit, south of the gas shaft, is also improved; the part of the lode driven on (4½ fil.) is worth 2 fones or gran; the whole width of lode where cut through a few metres behind the present set of level is 3 ft. The 20 metre level, south of Agnes' shaft, on Paul's lode, is processed 1½ ton of ore per fin., and looks kindly. The 20 metre level, north from A: nest saft, is still in a good lode, worth for width of level (4½ ft.) full 3 tons of ore per fin.; its with of the lode where cut through a few metres behind the present end of level is 30t. The sinking of Agnes' shaft below the 20 metre level proceeds satisfactority, leag almost dry. The adit level, south from St. Peter's cross-cut, on the St. Mark's but, is a little improved; the lode is as wide as the level, bespangled with ore through, is a little improved; the lode is as wide as the level, bespangled with ore through; so whole width (15 ft.) we estimate worth 4 tons of ore per fin. I mentioned in any last having come on a kindly lode in the 40 driving south towards Agnes' haft, sag composed of quark; rich in silver lead ore; for the width seen (4 ft.) we estimate worth 4 tons of ore per fin. The mentioned were a some run of ore we are now driving on in the 20, north of large. The stopes in Roure continue to yield well, and give us as much ore as we as possibly dress under present circumstances.—Rosier: We have succeeded in getting spec of men to drive the 85 metre level towards 8t. Joseph's part of the mine, and loge to let down the water in a few weeks. There is no improvement in any of our level in this m

# COPPER MINING COMPANIES IN AMERICA.

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COPPER MINING COMPANIES IN AMERICA.

Boston, Sept. 30.—Early in the month an advance in ingot copper, tom 22 c. per lb. (four months) to 24 c. (cash), affected favourably the pices of mining shares. The accounts at a later date, of the decline in begland simultaneously with the rise here, suggesting a fear of importations, and, consequently, a reaction in the price of copper, have checked operations in shares of the dividend-paying mines, and produced, among sher causes, a decline in those which are liable to assessments. Thirteen years have passed since mining opperations have been carried on extensival take Superior. With the exception of two companies, there has been no remarket, the amount sunk in copper mines by residents of Boston and its neighburded, drived from assessments alone, exceeds \$1,000,000. Yet the universal testical price of the control of the co

MINING IN NOVA SCOTIA.—We are informed that the Governor of Nova cota has recently visited the mines in Nova Scotia, and expressed great gratification all that he saw. We hope to be able, in an early Number, to give full details of the overner's visit, and to give some account of the progress of mining in the colony.

General Association for the Australian Colonies, was held at the St. Paul's Hotel, on Monday, for the purpose of supplying a deficiency long fell—namely, "that of a place of meeting for gentlemen from the Australian colonies." The chair was taken by Mr. John Lungr, who had convened the meeting. That gentleman stated that after having issued be siverisement be had been informed that an association was already in existence the above title, which embraced within its objects all those sought to be attained by the present meeting. It, therefore, became advisable to consider whether it would not be better to join the association already in existence than to endeavour to establish sucher. Mr. Rousfield, the secretary of the association, was in attendance (not officiency to the secretary of the association, was in attendance (not officiency to the secretary of the association, was in attendance (not officiency to the secretary of the association, was in attendance (not officiency to the secretary of the association, was in attendance (not officiency to the secretary of the association, was in attendance (not officiency to the secretary of the association, was in attendance (not officiency to the secretary of the secretary of the secretary attained a standing, having because the secretary of the secretary of the secretary attained a standing, having because the secretary of the secretary of the secretary attained a standing, having because the secretary of the secretary of the secretary attained a standing, having because the secretary of the secretary attained a standing, having because the secretary of the secretary attained a standing, having because the secretary of the secretary attained as standing having the secretary attained as a secretary attained as GENERAL ASSOCIATION FOR THE AUSTRALIAN COLONIES.—A meeting

#### SALES OF LEAD ORES.

### SALES OF LBAD ORES.

| Comparison | Comp

### SALES OF BLACK TIN.

Mines. Tons.	Am	oun	t.
Great Wheal Vor 131	£8,933	6	5
Pedn-an-drea United 77			11
Boscean	3,645	11	5
Great Hewas United 541/4	3,601	7	0
Wendron Consols 62		6	4
Drake Walls 51	3,445	1	5
Wheal Kitty (St. Agnes) 4634		19	1
St. Austell Consols 341/3	2,171	9	7
Great Wheal Busy		18	7
Carnyorth 31		5	4
Great Wheal Fortune		6	o.
Wheal Bal 14		9	0
West Fowey 13			2
Boseaswell 14			6
East Basset 10			6
Wheal Basset 8			8
Wheal Buller 8			0
Spearne Consols 81/2			0
East Pool 8/2			1
Carvath United 5	308		10
Bottie Hill 41/4			9
East Wheal Lovel 34	209		0
West Par 234	170	0	0
Wheal Margery 212	136		46
Wheal Enys 214		17	6
United Mines 134			6
South Frances 2			8
East Wheal Tolgus 11/2			2
Bedford Consols 1			5
Total tons	£44.576	2	_

# LEGITIMATE MINING AS AN INVESTMENT.

BY JOHN ROBERT PIKE.

In last week's Journal we referred to the present exceptional state of In last week's Journal we referred to the present exceptional state of the Mining Market; at the same time citing a few of the principal causes operating to produce the effects there specified. Time, that great modifier of antipathies, would seem to have had little influence in bringing the great majority of the public to regard British mining with a favourable eye; and, as our more immediate object is to assert its claims, if not to precedence, at least to equality with more favoured public securities, the leading incidents to which our market is indebted for its present uncertain status demand from us something more than passing comment. Probably no class of shareholders in this country have greater reason to petition to be saved from their friends than the proprietors of British mining property. That the public have a right to expect that the gentlemen who are professionally engaged to transact their business, and promote their interests, should be most anxious for the success of the industry from which their incomes are derived, and should, moreover, employ every legitimate means to disseminate the value and uphold the character of the securities in which they deal, is, we think, a proposition the affirmative of which will not be questioned. But, with a few honourable exceptions, what are the facts? The lust of gain would seem to be the Alpha and the Omega of their desires. Valuable information, which, both in their own interests and that of their clients, ought to be published with all the rapidity that modern appliances can bestow, is, in too many cases, reserved until its public value is almost entirely exhausted, and distant shareholders have lost the benefit to which we consider them fairly entitled. That such doings as these should cause wide-spread dissatisfaction cannot be wondered at; and that they should in any degree affect the proper appreciation of mining securities is a result deeply to be deplored.

Some one is made to say somewhere that "a little knowledge is a dangerous thing;" and a famous the Mining Market; at the same time citing a few of the principal causes

view of the mining market for the previous week, when speaking of the probable cause of the reaction in the market value of the shares in a partiprobable cause of the reaction in the market value of the shares in a parti-cular adventure, and whilst attributing such cause to the accident of hold-ers of the shares at par selling their stock in order to realise the premium then obtainable, is made to designate such operation as a wise act at all times in mining shares; an assertion the truth of which we most empha-tically deny, and the logical inferences of which we utterly repudiate. Does the author of that paper mean to assert that the Petite Bourse of the Parisian Boulevards finds, its reflex in the London market for the purchase and sale of British mining shares; that mining in this country is a huge lottery, in which it is unsafe to remain after the certainty of realising a profit presents itself; in short, that British mining as an industry is a business fiction, and those individuals who support it commercial gamblers? Such an interpretration, although perfectly regular, is too monstrous for belief, and we are, therefore, inclined to attribute the phrase in question more to the ambitious flights of an untured pen than take it as the grave. more to the ambitious flights of an untutored pen than take it as the grave result of matured conviction. Fortunes in mining are not made by speculating in shares either for a rise or a fall; but, on the contrary, are only realised from shares carefully selected, and judiciously but steadily held,

the realisation of accidental market premiums being altogether a minor adjunct. That this is an assertion not incapable of proof might be easily shown by reference to individuals residing in Cornwall, the principal seat of the mineral wealth in which we are more immediately interested, and from which, par parenthèse, we have just returned, whose wealth has been amassed by holding shares as a rule; not by selling and speculating in the market, as an exception, not as a primary and necessary operation.

# Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

ABBEY CONSOLS.—J. Trewin, Oct. 16: There is no change to notice at the engineshaft since last reported. The men at the 10 end west are put for a short time to create out, to prove the north part of the lote. The stopes in back of is for a time suspended, and we worth from 9 to 4 wines in the bottom of the level, about 18 fms. from shaft. The lode in the rise is producing from 3 to 4 evels. of lead per fm. The stopes in back of the adit, west of engine-shaft, are much the same as last week, worth 6 ewits, of lead per fm. The lode at the castern shaft is worth 9 evits, of lead per fm. The stopes in back of the 10, west of the eastern shaft is worth 10 ewits, of lead per fm. The lode at the castern shaft is worth 9 evits, of lead per fm. The lode at the castern shaft is worth 11 ewits, and the part week.

ANGARIACK CONSOLS.—James Barrasti, Oct. 19: Coca engine-shaft is down 5 fms. 3ft. before the 12. The lot with yellow copper ore; although small ar present it has a very promising appearance. The cross-cut end, being driven north is in 11 fms. 4 ft. 6 in. The progress in the bargains in the past week is limited, sepecially in the shaft, as the shaftmen have been engaged fixing lift, hanging a connection red, &c.; and the end men have been attending to capatas.

ASHBURTON UNITED.—W. Hocking, Oct. 19: The ensuing general meeting being more than 10 the past week is limited, sepecially in the shaftmen the past week is limited, sepecially in the necessary to treat of the different objects rath been a matter of great consideration—was put to work on Monday last, and continues to work admirably. The main roch has been attached to the old one, in the hope of being able to fork the water without incurring such outlay in time and money as must necessarily follow by the adoption of independent means; up to this time the progress in diading may be considered good. Thus help we shaft, and we may be considered good. Thus help we shaft, and we may the past the capation of independent means; up to this time the pr

vestments of the day.

BALLYVIRGIN.—D. Macdonald, R. Pellow, Oct. 14: No. 3 stope will yield fully 2½ tons of copper of rich quality, 3 tons of mundic, and stones of lead per fathom. The south stope is worth 1 ton of lead per fm. We have put ½ ton of lead, 5 tons of No. 2 crop copper, and 5 tons of mundic to pile since last report, and have crushed 7 tons of No. 3 crop copper ore.

south stope is worth 1 ton of lead per im. We have put ½ ton of teat, 5 onto 1 car, 6 onto 1 car, 6

worth 5 tons of ore per fin. Millman's stopes, in the 115 west, are worth 5 tons for reper fin. The lode in the 103 west is 4 feet wide, and worth 2½ tons per fin. Warne's stopes, in the bottom of this level, are worth 5 tons of ore per fin.

BOILING WELL.—J. B. Delbridge, jum., Oct. 16: At the old engine-shaft, sinking below the 60, the lode is 70 th. wide, with stones of copper, lead, and blende. In the 60 west the lode is 2 ft. wide, with fine stones of copper ore. In the 60, east of King's, the lode is 10 th. wide, with a little lead and blende. In the 60, east of King's, the lode is 10 th. wide, with a little lead and blende. In the 60, east of King's, the lode is 16 th. wide, copper, lead, and blende—in tribute ground. At Austin's engine-shaft the ground is favourable for sinking. In the 40 and 30 cross-cut. towards the south lode, the ground is favourable for driving. In the 40 and 30 cross-cut, towards the south lode, the ground is favourable for driving. In the 20, on the south lode, south of Austin's, the lode is 1½ ft. wide, yielding some fine stones of copper and blende: we hope in the coming week to commence to drive east and west on the lode. BRYNTAIL.—J. Roach, Oct. 21: The 10 end east has not been drivenduring the past week; the men have been engaged cutting down the lode standing by the side of the level, and there still remains a large quantity to cut down. The gunnis is now 10½ ft. wide, dry throughout; on the north wall it is very good, and as soon as I get this piece of lode square with the forebreast I shall immediately resume driving east on the best part of the lode, as before, and cut down the remainder when it shall be most advantageous to do so; the lode from the north wall to the flookan has produced at least 2½ tons of ore per fin., and is still good. The shallow cross-cut, which has been accurately driven into the perpendicular shaft, has had the desired effect, therefore the driving of the 25 cross-cut was resumed last Monday morning; it is now driven towards the lode a fins. 4 ft

Eathon. We are patting in a dam in the so, which I hope will be completed by the cash.

RWLCHSTEILAN.—R. Northey, Oct. 18: The shaft is sunk 6 fms. 2 feet below the 13 fm. level. The ground is a little harder for progress, and in consequence of so much heavy rains the water is very much increased. The stratum is of a very kindly nature, and getting more compact as we get down.

CAMBORNE CONSOLS.—W. Roberts, Oct. 19: In the 50 cross-cut north ne lode or branch has been intersected since last reported. In the winze sinking under the 20 the lode is small; in the same level, driving west, the lode is 1 foot wide, with occasional stones of ore. In the 10 fm. level west the lode is 1 foot wide, producing mundic and stones of ore cocasionally.

stones of ore occasionally.

CARADON CONSOIS.—W. Rich, Oct. 19: During the past week, Thomasine's shaft has been sunk about 4 feet; the water has increased very much in the last few days, which has hindered the sinking to some extent. The shaftmen are at present engaged cutting ground for cistern-plat, and doing other necessary work preparatory to fixing life.

CARDIGAN CONSOIS.—J. Sanders, Oct. 19: I beg to inform you that there is no change to notice since last report, with the exception of the 20 weat, where the lode is producing a little more ore, but not sufficient as yet to set a value on.

CARMARTHEN UNITED.—R. Sanders, Oct. 19: At Harrison's engine-shaft, sinking below the 12, the lode is still very wide (but we have not yet cut either wall), and will produce? Cwts. of lead per fathom. We have about 5 feet more to sluk to get deep enough for the bottom of the 22 fn. level. When this is accomplished, I intend having the shaft divided, bed-planked, &c., so as to get the whim-libble down to the 22, then cut the plats, and try to ascertain the width of the lode before sinking for bearers and cisterns. I shall then be better able to judge of our position—i.e., how and where to commence to sink for the next lift, so as to carry the main part of the lode in the shaft. The 12 fm, level south is looking very promising, lode 3\( \frac{1}{2} \) feet wide, and impregnated

CARVANNALL.—Wm. Roberts, Oct. 19: There is no alteration order for the meeting on Oct. 12.

name become rather small, and not so productive as stated in my last, worth at prename about 5 ewts, of ore per fathom; this end is still driving through a beautiful chanel of ground, and I have no doubt the lode will soon become more productive. We have
rom 6 to 7 tons of ore on the floors, and are daily adding more to the quantity.
CHOLLACOTT CONSOLS.—Jas. Carpenter, Oct. 21: We are pushing on both crossuts in the 25 with all possible dispatch; the ground is favourable, and there are is
nen driving in each end, at 31. per fathom. We are putting up a capstan, to command

Crow NDALE.—James Richards, Oct. 21: There is no alteration worthy of notice ince my last report.

CWM ERFIN. Oct. 19: The lode in the 59, going east from the drawing-shaft, is ft. wide, composed of clay-slate, quartz, spots of copper and lead ore, yielding of the latter dressing work. The lode in the 57, going east from the drawing-shaft, is from 2 to fose over the back of this level, about 30 fms. east of the drawing-shaft, is from 2 to topes over the back of this level, about 30 fms. east of the drawing-shaft, lefton 2 to topes over the back of this level, about 30 fms. east of the drawing-shaft, lefton 30 fms. The lode in the 45, going east of cross-cut, is at aspended until a communication is made with the 32. Those men have commenced taing in back of the level, about 7 fms. behind the end; the lode in this place is 3½ fm. ride, and worth 8 cwts. of lead ore per fathom; the lode in the stopes over the back of this level has slightly improved since our last report, now yielding from 12 to 15 cwts. I lead ore per fathom. The lode in the 32, going east of cross-cut, still presents a very romising appearance, being 3 ft. wide, and worth 1 tonof lead ore per fathom. In consequence of the deadness of the air, we are obliged to suspend the driving of this level iso, until a communication is effected with the rise in back of the 45, before mentioned, those men have started a winze close to the present and, and I calculate upon commissing this ground in seven weeks from this date; the lode in the stopes over the back equence of the deadness of the air, we are obliged to suspend the driving of this level also, until a communication is effected with the rise in back of the 45, before mentioned. Those men have started a winze close to the present end, and I calculate upon communicating this ground in seven weeks from this date; the lode in the stopes over the back of this level, about 15 fms. east of the cross-cut, is on an average 3 ft. wide, yielding 4 ton of lead ore per fathom. The 20, east of cross-cut, has shown symptoms of improvement during the past week; the lode is now full 3 ft. wide, containing killas, just 2, copper, and lead ore, yielding of the latter 45 ton per fathom; the lode in the topes over the back of this level, about 7 fms. east of the cross-cut, is from 2 to 5 feet wide, and worth 8 cwts. of feed ore per fathom. We have succeeded in cutting the north part of the lode in the 10 cross-cut south, which contains a small branch of lead ore, about 1 in, wide; but, not being sufficiently through the lode, I arn not in a position to report on its full value. On our cutting through the lode we shall at once commence a level east on the same. We have three pitches working on tribute, at 91, 10s. per ton, the men to pay all costs, who, I think, are earning fair wages.

GWM SEBON.—J. Boundy, Oct. 18: In consequence of the heavy rain which has allen in this locality during the week, so much that it filled and overflowed our leats with water, a large portion of which ran down into the mine, and filled it within 6 in. of the roof of the 60, consequently orthing has been done in the several bargains in the 60 or the 70 during the week. We are working the pumping-wheel as fast as we ought to work, and an happy to say the water is again forking, when every effort will be used to get the mine again in fork as soon as possible. The castings for the drawing-machine will be read of an analysis of the condition of the condit

as for some time past.

DALE.—R. Niness, Oct. 21: Since my last we have driven 3 ft. more towards the Piperein, but have not yet cut it, and the water being so quick from the late heavy rains it at this time rather impeding our progress. The 28, going north towards the Lum s without alteration, and so are the stopes in the back of the 20, on Johnson's lode. The ode in the end going east in the back of the rise still continues good.

DEVON AND CORNWALL UNITED.—T. Neill, Oct. 19: The stopes in the mine produce respectively 8 and 6 tons of ore per fm. In the midway east we are driving by the side of the lode. At William and Mary, we are also driving by the side of the lode and from present appearance, when taken down it will be found equally productive as last reported. The stopes in the back of this level produce 2 tons of ore per fm.

report since last week.

DRAKE WALLS.—T. Gregory, J. Andrews, Oct. 19: The stope below the 70, wes
f Betteley's shaft, to drain the western part of the mine, is progressing satisfactorily
ad the branches are producing good work. The 80 is 20 fms. behind the tin ground
which should be resumed and driven west with all possible speed; this would enable
s to increase the returns in a short time after the level is driven up, but which require
morphisms.

r fathom. The lode in the 14, east of the shaft, is very much improvide, yielding nearly 4 tons of copper ore per fin.

EEN.—Oct. 19: In the 92 cross-cut we have intersected the lode, compaper, and lead ore; we have cut in about 4 ft., and it lokes promising oductive lode. In the 93, west of Taylor's shaft, on the south, the is appeared of clay-slate, spar, and lead ore, yielding of the latter about In the 180, west of which is the 180 clay in the 180, west of which is the 180 clay in the 180, west of which is the 180 clay in the 180 clay

is any other part of the mine.

EAST WHEAL ROBERT.—E. Collom, Oct. 16: We have cut a lode in the adit and riven through it, but it is not the great caunter lode, as it is running in a different surse, and is underlying in an opposite direction; it is about 3 ft. wide, 2½ ft. of which composed of flookan, prina, and mundic, and a branch about 6 inches wide, composed gossan and spar; it is a beautiful fair thing, and must come in contact with the unter-lode at no great distance.

of goesam and spar; it is a beautiful fair thing, and must come in contact with the caunter loca at no great distance.

EAST WHEAL RUSSELL.—John Goldsworthy, Oct. 14: The ground in the 88 is of much the same character for driving as last reported; the lock is 4 ft. wide, composed of prian, mundle, spar, capel, and producing a little gray and black ore, but not to value, with a large stream of water flowing from the end; the lock is a very promising one; the ground driven this week is about 6 ft. There is no change in the ground at Homersham's shaft since last reported on; it is now below the 66 fm. level 20 fms. 3 ft. 6 in. The ground in the 66 call is a little improved for driving; the lock is opening large, and composed of capel, mundle, spar, flookan, and black ore, saving work, but not to value; the lode is showing indications of an improvement. The clearing of the 46, east of the Tunnel, is progressing favourably; cleared this week 2 fms. The tribute pitches are falling off in value; the ground being nearly stoped away in the back of the 66.

— John Goldsworthy, October 19: I am much pleased to inform you that the lode in the 88 athom level is looking very promising, and I should say worth all 2 tons per fm. As to the value of the ore I cannot say as yet, the ore being black, and there is a large stream of water coming from the end, which carries away the fine black ore. I shall have a sample of ore assayed, when I shall be able to state its value. The lode is 4 ft. wide, and the character is good. We cannot work as I should wish, owing to the shaft, I will give you the length of the cross-cut in a day or two. The lode in the 66 end is also of a promising character, and producing saving work.

— J. Goldsworthy, Oct. 21: There has not been any lode taken down in the 88 since I wrote to you on Tuesday. I took the men on Tuesday evening and put them to cross-cut to Homersham's shaft, which we have about 2 fms. to drive and about 4 feet to sink to hole, this work I hope to do next week; the air in the and is s

dispersance of the first we have cut in about 4 ft., and it looks promising to be a large and productive look. In the 60, wast of Taylor's shaft, on the south, the lode is the personnel of the look of the first well of the first well by secondary of the first well of the first well

GREAT TREGUNE CONSOLS.—J. Sparge, Oct. 2! fobler's shaft, is again improved since my last report ome rich work for copper. The lode in the 60 end, w

Opper-house shart

Copper-house shart

and worth 70t, per fathom; it is mutake us rather longer to get down to the 200 thatake us rather longer to get down to the 200 thaThe fixing and changing our pitwork also retard
now ample power, and everything in good codriven east 11 fms., which has opened some tri

copper ore per fathom; the stopes in

driven west 9½ fms.; 2½ ff

driven west 9½ fms.; 7½ ff

The 18

GREAT WHEAL BADDENN.—J. Jenkin, Oct. 19: The ground and lode in the 61 at each is improving daily, and more favourable for driving. The stopes in the back and bottom of the 51, on the caunter, are much the same as when last reported on, the rinze sinking below the 51, on the main lode, being still in the killas is hard for sinking. Il other operations throughout the mine are progressing favourably.

is set to work.

GREAT WHEAL VOR UNITED.—Thos. Gill, Oct. 19: Wheal Metal: The engine-shaft is sunk about 10 fms. below the 110 on Metal lode, which is 3% ft. wide, and producing occasional stomes of tin ore. The winze sinking below the 110, west of the engine-shaft, on Metal lode, is 2½ ft. wide, and producing occasional stomes of tin ore, the tox imflicient to value at present; I expect it will improve again shortly. The 10, driving west of the engine-shaft, on Metal lode, is 1½ ft. wide, and producing occasional stomes of tin ore, but its poor. The 100, driving west of the engine-shaft, on Metal lode, is 1 ft. of the engine-shaft, on Metal lode, is 1 ft. of the engine-shaft, on Metal lode, is 1 ft. of the engine-shaft, on Metal lode, is 1 ft. wide, and producing occasional stomes of tin ore, but is poor. The 90, west of the engine-shaft, on Metal lode, is 1 ft. wide, and producing occasional stomes of tin ore, but poor. The 90, west of the engine-shaft, on Schneider's lode, is 1½ ft. wide, and producing scot stomes of tin ore. The 50, west of borlass's engine-shaft, on Schneider's lode, is 1½ ft. of wide, but poor for mineral. We have had no change for the last week in the 70 cross-cut driving north to intersect the north lode. — Wheal Vor: The 204, east of Borlass's engine-shaft, on the main lode, is 4 ft. wide, and producing good stomes of tin ore. In the 248, east of Bounder's shaft, we are driving by the side of the lode; the 244 driving by the side of the lode; the 244 driving the side of the lode; the 244 driving the side of the lode; the 244 driving the side of the lode; the content of the content of the lode. The 244 driving the side lode of the lode; the content of the content of the content of the lode.

HINGSTON DOWN CONSOLS.—W. Richards, Oct. 20: Morris's shaft will be down to required depth to admit of driving west of same by the end of the present west here is no change to notice in the 110, west of boildge's winne. In the 100, west of shaft

nom man nerectore. Uther piaces are without any change to notice. LY BRAY.—8. James, Oct. 16: There is no improvement in the 135 east all temmunication; the lode is still about 1 ft. wide, yielding occasionally all the piaces of the still about 1 ft. wide, yielding occasionally all of the control of the still about 1 ft. wide, yielding occasionally all of ft. occasionally all of the control of the still about 1 ft. wide, and will yield 3½ to the length of the winze (9 ft.); here we are making good progress, the ground such eased, and we think it most prudent to curry the winze 0 ft. long, instead in order to effect a communication with the stopes in back of the 88 with company of the still of the s

at the 32 is worth 2 tons of copper ore and 3 tons of blende per fathom. No tode taken down in the stopes behind this end since last reported.—South Lode: The tode going east at the 32 is worth 1½ ton of copper ore and 1 ton of blende per fathom, and looks fair for a further improvement soon. The stopes behind this end are worth 2 tons of opper ore per fathom. In the end going west we have 10 ft. of the lode desued, and shall take down the same next week, which from every appearance will produce a good pile of ore. No other change to notice.

— G. Reynolds, Oct. 10: We are going on well with sinking, and at present we are slaking without the aid of the poppy; the men are working from Monday morning early mittl late on Saturday night, without any hindrance, and 1 hope will continue so. As soon as we shik down out of the way, we ought to commence driving west in the 42, to st under the large lode gone down in near the caunter. I hope soon to have 30 tons of exper for sale; and we are breaking a great deal of blende, which we will commence to dress as soon as possible.

PEDN-AN-DIREA UNITED.—J. Carpenter, T. Delbridge, J. Thomas, Oct. 16: The lode at the engine-shaft, sinking below the 90, is large, and producing good stones of tin. In the 90, diving west on engine lode, the lode is from 2 to 3 ft. wide, producing stamping work for tin, of low quality. The 90 west, on Skimmer's lode, is of a promising character, producing low price work. The rise in the back of the 68, west from engine-shaft, is still very hard, and worth 9t. per fin. In the rise in the back of the 60 west the lode is small, producing a little tin, but not to value. The new lode in the 5e seat is incorpoved in size, with occasional small stones of copper ore, and letting out a large quantity of wafer. The lode in the ead driving west in their evel is disordered by the cross-course. At Cobber's shaft, sinking below the 47, on Skidmer's lode, the lode is the ead. Nothing new is any other part of the mine. We sampled for September 21 tons 8 cwts. 1 q

25 tons of lead; the lode has been greatly improving since first discovered. The deep a addit level has given no proof of the value of this lode or any other lode in the set, but in a very limited degree; being driven between the western lode and the one above ment at ioned, but will give great advantage in cross-cutting at such points as may be necessary. All other parts of the mine are progressing very satisfactority.

SOUTHWHEAL TOLGUS.—Oct. 16: Youren's Lode: At Michell's engine-shaft, sinking below the 110, the lode is 2 ft. wide, producing stones of ore. The lode in the 110, west of Michell's shaft, is small and unproductive; the lode in the 110, west of Michell's shaft, is small and unproductive; the lode in the 100, west of Michell's shaft, is 10 in. wide, producing tons of ore per fin. The tood in the winze sinking in the bottom of the 100 west is small and poor. The three stopes in the back of the 100 west are each yielding 3 tons of ore per fin. The tood in the winze sinking in the bottom of the 100 west is small and poor. The three stopes in the back of the 100 west are each yielding 3 for ore per fin. In the 90 west the lode is 10 in. wide, producing good stones of ore per fin. The good in the 100, exet of Michell's, the lode is 7 is reliding 1 ton of ore per fin. The good in the 100, exet of Michell's the lode is 2½ ft. wide, and improved since hair reported, producing at this time 2 tons of the 100 will be a staff to the 100 west are each yielding 3 tons of ore, and kindly for further improvement.

ST. AUSTELL CONSOLS.—R. H. Williams, Oct. 16: The 45 cross-cut, sould be a staff to the 100 was the lode is 25 fathom level west, on Barker's lode, is equally as good as last reported. Other parts

iode in the 71 west is 3 feet wide, carrying a leader of mundic and ore, averaging about 6 in. wide, worth about 1 ton of ore per fin. The lode in the back of the 71 east is worth 3 tons of ore per fin. The lode in Thomas's stope, in bottom of the 50, west of winze, is not of much value at present. The lode in Clyma's stope, west of winze, is worth 2 tons of ore per fin. The is no alteration to report in any other part of the mine.

WHEAL EMMA.—W. Goldsworthy, Oct. 21: The engine-shaft is now about 10 fms. below the 46. The 46 east presents no change to notice since last report. In the 46 west we have met with a decided improvement—a large and very kindly lode, worth 121, per fin.; I hope to give further particulars in my next, as we have only just began to drive on its course, at 50s. per fathom.

WHEAL GRENVILLE—G. R. Odgers, Oct. 16. The lode in the carriers about metals and the carriers about metals.

on its course, at 50s, per fathom.

WHEAL GRENVILLE.—G. R. Odgers, Oct. 16: The lode in the engine-shaft maintains its size as far as we can see by the walls, because we have not taken down any lode for the last ten days, there being a number of droppers conting into it from the south; it looks at present as being split, but I expect to see it again shortly assume a more settled appearance. The composition of the lode in the eastern end is good stones of ore embedded in goosan, quartz, and peach—a kindly lode. In the eastern end at the 66 the lode is about 18 in, wide, of quartz, &c. In the western end, same level, the lode is small; it is taking (in going west) a more northerly bearing than the upper level did, hence I am inclined to think there is another part still further south, which we shall endeavour to prove shortly. The ground in the cross—cut north is cased very much indeed, it being an easy granite, and is reset for 5½, per fm, the former price being 94. 10s. The lode in the 54 west is about 12 in, wide, chiefly of spar. There is a great deal more write dowing from it, and the ground is also easier for driving, therefore we think it has assumed a more kindly appearance.

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looks in the winns sinking below the 74 is 4 ft. wide, and for length of winns (13 ft.) will provides 12 tons of copper ore per fathom. The 90, 75, and deep sailt ends are without alteration since last report. We have to-day put in the underground balance-bob. Our. seagine and pitwork are now in good working condition.

WHEAL KITTY (8t. Agnes),—Since last meeting good progress has been made in the different workings. All the principal points are fully occupied, and we are opening and developing the mine as the circumstances of the case will adunt. The following are the amounts sunk and driven in the past three mouths, together with the value of the look in each of the different levels. The 90 has been driven 4 fm. 3 ft. west of the engine-shaft, chiefly through hard ground; a gradual improvement is, however, taking place, but the proper shaft, chiefly through hard ground; a gradual improvement is, however, taking place, but the properties of the control of the indicates of the cross-course, the per statement of the control of the indicates of the cross-course, the per statement of the limited of the

J. Nicholas; T. M. Thomas: Oct. 9.

WHEAL MARY ANN.—Peter Clymo, Henry Hodge, Robt. Knapp, Oct. 21: Foliard's shaftmen are engaged in cutting a plat in the 160. The lode in the 150 north is 2 feet wide, and worth 91, per fm.; in the same level south it is 2 feet wide, and worth 94. Per fm. In the 140 north it is 2½ fm. wide, and worth 71, per fm.; in the same level south it is 3 feet wide, and worth 101, per fm. In the 130 north it is 2 feet wide, and worth 101 per fm. In the 130 north it is 3 feet wide, and worth 101 per fm. In the 130 north it is 3 feet wide, and worth 101 per fm. In the 130 north it is 3 feet wide, and worth 101 per fm. In the 130 north it is 3 feet wide, and worth 101 per fm. In the 110 south it is 2½ fm. wide, and worth 100, per fm. Clymo's engine-shaft is sunk 16 fathoms under the 95. The stopes and pitches are producing much as usual. We have this day sold to Mr. Thos. Somers a parcel of lead ore, computed 90 tons, at 271. 10s. 6d. per ton.

WHEAL MARY EMMA.—W. Doble, Oct. 21: The men are getting on with the sinking of Lane's engine-shaft below adit, the same being about 9½ fms. from surface; they are breaking some fine rocks of copper and in from the the lode in sinking; better stuff is not to be seen in many mines to the same depth. We are getting on well with the new adit. I expect to have the water-lift down this week.

WHEAL MAUDLIN.—W. Tregay, Oct. 18: The water is now down below the bottom

WHEAL MAUDLIN.—W. Tregay, Oct. 16: The water is now down below the bott the 16.—South Mine: We have met with a slide in the east end, which has for me changed the underlay of the lode from north to south. The lode is composed pipally of gossan, mundic, and capel.

WHEAL EUSSELL.—A. Barratt, Oct. 21: There is an improvement in the winze aking under the 62, east of the cross-course; the lode is 4 feet wide, worth from 4 to cons of ore per fin. There is nothing else new in the mine.

sinking under the 62, east of the cross-course; the lode is a reet wide, worth from a so b tons of ore per fin. There is nothing else new in the mine.

WHEAL TERIDY.—J. Pope, Oct. 21: In the 60 cross-cut south there is no change since last reported. In the 60 east, on the canner lode, the lode is 9 in, wide, producing good stones of ore, with a promising appearance. In the 50, east from boundary, the lode is 90 in, wide, with stones of ore. In the tribute department there is nothing new.

WHEAL TREFUSIS.—Z. Carkeek, Oct. 21: In the 67 driven north 4½ fathoms towards the north lode, the ground is a little favourable for driving. In the 67 east, driven about 3 fins., the lode is 1½ ft. wide—ground favourable for driving. In the 53 east the lode is 4 ft. wide, composed of spar and gossan, with stones of copper ore. The stopes in back of the above level are yielding tinstuff, worth about 5ℓ, per fathom. In the 42 fathom level, driving south, towards the south lode, there is no alteration in the ground. In the 30, east of Nicholis's shaft, the lode is 3 ft. wide, yielding tinstuff, worth 5ℓ, per fathom. In the 70 fathom. In the 30 fishing have the south lode; is 4π, no lode taken down yet. In the 15, east of Nicholis's shaft, the lode is 2½ ft. wide, composed of soft spar and prian, with a little tin of low quality. We shall have Nicholis's shaft complete to the 42 by the end of next week. The tribute pitches are without alteration since last report. We sold, last week, black tin to the amount of 337ℓ.

WHEAL TRELAWNY.—Wm. Jenkin, Wm. Bryant, T. Grenfell, Oct. 21: 8mith's

last week, black tin to the amount of 3371.

WHEAL TRELAWNY.—Wm. Jenkin, Wm. Bryant, T. Grenfell, Oct. 21: Smith's shaftmen are now engaged in cutting ground for bearers and cistern. The cross-cut in the 182, at Smith's shaft, is extended east 8 ft. towards the lode. The 142 north end having reached the side seen in the upper levels, it has reduced the lode in value to about 104. per fm. We have no alteration to notice in the south end in this level. The lode in the 132, north of Smith's shaft, is 2 ft. wide, worth 8, per fm. the lode in the winze sinking below this level, south of Smith's shaft, is 1 ft. wide, worth 64. per fm. The lode in the 132, south of Chippindale's shaft, is 2 ft. wide, worth 64. per fm.; in the same level morth it is 2 ft. wide, worth 84. per fm. The 120 north it is 3 ft. wide, worth 74. per fm., the winze that was sinking below this level is holed to the 132. south of the shaft, is 2 ft. wide, worth 87 fm.; in the same level north we are triving by the side of the lode. In the 130 south it is 3 ft. wide, worth 107. per fm. In the 107 north it is 2 ft. wide, and worth 54. per fm. The stopes and pitches are producing much as usual. We hope to sample on Friday next, all being well, about 80 tons of crop lead ores.

of crop lead ores.

WHEAL TREMAYNE.—R. Williams, J. Williams, Oct. 18: At the boundary engine-shaft, the shaft men are sinking the boundary winze under the 118, on course of Allerivarant, the shaft men are sinking the boundary winze under the 118, on course of Allerivarant, which is yielding low price tinstuff. We expect this winze will be communicated with the 123 next week. In the 123, east of the same shaft, Allerivarant has another engine lode have formed a junction with each other, being now both in the same level, about 2 feet wide, worth 301, per fathom, with a very promising appearance. In the 113, east of Allerivaranth, which looks strong, having a kindly appearance, worth 181, per fin. The stopes in back of the same level are worth, on an average, 21, per fathom. The 103, east of the same shaft, on Allerivaranth shaft of the translation of the stopes in the country of the same level are worth, on an average, 121, per fin.; the bottom of the stopes in the above level are disordered by floors of spar, consequently they are not yielding so much tin. The stope in bottom of the 73, east of the same shaft, on Allerivaranth, is worth 101, per fin.

WEST TREVELYAN.—John D. Osborn, Ocf. 18: The cross-cut diving north from

ope in bottom of the 73, east of the same shaft, on Allen's branch, is worth 101, per fm. WEST TREVELYAN.—John D. Osborn, Ocf. 16: The cross-cut driving north from ther's shaft, in the 20, to intersect Park Iode, is driven 2½ fathoms; we hope to see the de next week, should the ground continue favourable for driving. The 10, driving est from Cater's, on Park Iode, is driven 2½ fms. from the crossing; we have broken e good grey and black copper ore from this end this week, but the lode is not looking tite so well at present, in consequence of a capel course falling in. The adit level, driv-z west of Cater's, on Park Iode, is driven 16 feet from the winze. We are driving on is south part of the lode; the lode is large, composed of quartz, gossan, iron, and occaonally spotted with grey copper ore.

WHEAL WREY CONSOLS.—Peter Clymo, W. Hancock, R. Roskilly, Oct. 21: The engine-shaft is sunk 5 fms. 2 ft. under the 74. The lode in the 74, south of the engine-shaft is sunk 5 fms. 2 ft. under the 74. The lode in the 74, south of the engine-shaft, is 3½ feet wide, producing 5 cwts. of lead per fm.; in the same level north it is 5 ft. wide, producing 7 cwts. of lead per fm. In the 64 south it is 3 feet wide, producing 8 cwts. of lead per fm. In the 54 south it is 2 ft. wide, producing 4 cwts. of lead per fm. In the 54 south it is 2 ft. wide, producing 5 cwts. of lead per fm. In the 64 south it is 2 ft. wide, producing 5 cwts. of lead per fm. In the 64 south it is 12 ft. wide, producing 5 cwts. of lead per fm. In the 64 south it is 12 ft. wide, producing 5 cwts. of lead per fm. In the 64 south it is 12 ft. wide, producing 5 cwts. of lead per fm. In the 64 south it is 12 ft. wide, producing 5 cwts. of lead per fm. In the 64 south it is 12 ft. wide, producing 6 cwts. of lead per fm. In the 64 south it is 12 ft. wide, producing 6 cwts. of lead per fm.

same level north it is 3 ft. wide, pronucing a cross or has been morth its 1½ feet wide, producing 4 cwts. of lead per fm.

WILLOW BANK.—W. Paull, Oct. 18: During the past month the engine-shaft has been sunk 1 fm. 3 feet, through a powerful lode, composed of clay-slate and spar, with spots of lead one occasionally; sunk altogether below the 30 fm. level 6 fm. 4 ft. Our shaffmen were hindered the best part of the past week in consequence of the wet weather, our engine not being able to keep the water, in fork; 1 put four of them in the cross-cut and the others in the 30 west during the time the water was in the shaft. The 30 east has been driven 3 fm. 3 ft., where stones of ore are met with occasionally, but not sufficient to set a value on as yet. The cross-cut south of the 30 has been driven 1 fm. 2 ft., nothing of any consequence is yet met with. Saturday last being our setting day, the following bargains were set:—The 30 east, by six men, 2 fm. steur, or the month, at 7t. per fathom. The cross-cut to drive south, by two men, at 7t. 10s. per fm. The shaftmen have not completed their centract; they must goon at the same price.

# The Mining Market; Prices of Metals, Gres, &c.

METAL MARKET-LONDON, Oct. 22, 1858. Copper wire ....p. lb. 0
ditto tubes .... 0
Sheathing & boits ... 0
Bottoms ... 0 TIN. IIN-PLATES.\*
IC Charceal, lst qua. p. bx. 1
IX Ditto lst quality " 1
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IX Ditto 2d quality " 1
IC Coke " 1
IX Ditto ..." 1
IX Ditto ..." 1 Yeilow Metal Sheathing .. p. lb. 914d .-Wetterstedt's Pat. Met. ..p. cwt. 2 2 0

REMARKS.—Our market for metal has increased in firmness, and sellers

ave been less disposed to realise, unless they could obtain their own prices COPPER.—The demand for cake and tile has been tolerably good, but for manufactured enquiries still continue limited; holders of foreign have exhibited more disposition to do business, and several parcels have been sold from 1024. 10s. to 1034, per ton. There is yet a large quantity in warehouse here unsold.

warehouse here unsold.

Inox.—The ironmasters appear to be fairly supplied with work, and prices assume a favourable tendency.

Rails are in good demand, and quotations are steady at 6ℓ. 10s. per ton.

Staffordshire remain as last quoted. Scotch pigs have been quiet at 54s. to 54s. 6d., mixed numbers, g.m.b., f.o.b. in Glasgow.

Lead.—English is dull, and the market is not unlikely to recede. Spelter.—The market has been again weakened by the pressure of a few parcels for sale offering at about 5s. per ton under last quotation.

Tin.—English tin has been advanced to-day 3ℓ, per ton on blocks and bars, and 5ℓ. per ton on refined, making present price of blocks 121ℓ, and refined at 126ℓ. per ton. Banca and Straits have both been gradually advancing during the last fortnight, and prices in some instances have been paid in anticipation of an advance in English; the amount of business doing is not large, and seems barely to justify any increased rates.

Tin-Planes.—Makers are a shade firmer, especially for charcoal. Coke plates are rather neglected.

are rather neglected.

TIN-PLATES.—Makers are a shade firmer, especially for charcoal. Coke plates are rather neglected.

Liverrool, Oct. 21.—Since last report we have had a better feeling existing in our metal market, both as regards the present stability of prices, and with respect to the future prospects of the trade generally. Buyers apparently have increased confidence in giving out what orders they may have that prices have reached their lowest, and that they cannot expect to parchase on more advantageous terms than those now current. The result observable is a steady demand for all kinds of manufactured iron, increasing, as regards Welsh bars and rails, with stiffening prices. Staffordshire qualities have been in moderate request only; still there is no disposition whatever to reduce prices, but rather to uphold them, as a good trade is confidently expected in the coming spring. The price of Scotch pig-iron has preserved a dull uniformity during the week, and the quotations of today present no alteration from those of the 14th. Business has been comparatively very limited, either for export or for speculation, and the shipt ments show a falling off as compared with the corresponding week of last year, being 8469 tons, against 10,148 tons respectively. The stocks continue to increase, as the local consumption is still much reduced; whilst at the same time the make is very large, the full quantity of furnaces being in operation. Whatever the stocks may be, however, they will doubtlessly be absorbed by the enormous quantities of iron that will be required to carry out the projects for sanitary and other purposes now in contemplation. The copper market shows no alteration either in demand or quotations; the current requirements are sufficient to keep prices steady. Tin firm firm in price, with a good demand for home consumption especially; for export orders are light. In tin-plates there is not much doing, although during the last day or two there has been, if anything, increased enquiry; quotations are unaltered. A moderate busin

GLASGOW, Oct. 20.—Our pig-iron market has remained almost without any variation in price since our last report, and very few transactions have taken place; we closed to-day nominally 54s. 6d., without business. No new feature has presented itself requiring comment. No. 1, Gartsherrie, 60s.; No. 1, g.m.b., 53s. 3d.; No. 3, ditto, 52s. 9d. Shipments: Foreign, 3711 tons; coastwise, 4758 tons=8469 tons, against 10,148 tons last year.

New York, Oct. 7.—Scotch pig-iron has been in steady demand, but the price remains without alteration, the closing quotation being \$21 to \$22 cash. For copper there has been but very little enquiry, the sales being entirely limited to small parcels, at 23½ c. for Lake, and 23 c. for Baltimore. In yellow metal a slight advance has taken place, the present price being 22 c. Old boiler-plates are in demand at 20½ c.; and braziers' copper at 31 c., six months. Block tin is in good request, and the prices show an upward tendency; we note sales of 500 slabs of Banca at 28 c. cash. Straits are quiet, holders being firm at 28 c., six months. For tin-plates there has been but very little enquiry, except in a jobbing way, small parcels having been sold freely at \$9.75 c., six months. In lead there has been but very little doing, and sellers have experienced great difficulty in obtaining previous quotations. Spelter is quiet at 6 c. to 6½ c., six months.

In the COAL MARKET, there has been a great improvement during this week, and a general advance of from 6d. to 1s. per ton has taken place in all descriptions of coals. On Monday, out of the 77 ships at market only 5 were left unsold, the prices being—Best Wall's End, 19s. to 20s.; ditto second quality, 17s. to 19s; manufacturers', 14s. 6d. to 16s.; Hartley's, 14s. 6d. to 15s. 6d. On Wednesday, there was a rather better supply, 98 ships being at market, of which only 80 were sold; the prices remaining without alteration. Yesterday, but very little business was done, and that only in manufacturers' and second quality coals, there being no best at market; only 24 ships were recorted of which 17 were sold market; only 24 ships were reported, of which 17 were sold.

In Saltipetrie, during the past week, there has been a fair amount of business doing. We note sales of 2060 bags of Bengal, at a reduction of 1s. to 1s. 6d., the prices obtained being—For 3½ per cent. refraction, 43s.; 5½ per cent. refraction, 45s.; 4½ per cent. refraction, 45s. 6d.; and 8½ per cent. refraction, 43s. We also note sales of 313 bags of Bombay, refracting 55½ to 33 per cent., at 32s. 6d. to 35s. The quantity landed last week was 76 tons; delivered 240 tons; leaving in stock 2325 tons, against 6829 tons in stock this time last wear. 6629 tons in stock this time last year.

EXPORTS OF COAL IN SEPTEMBER.—From Laird and Co.'s Monthly Statistics of the Coal Trade, it appears that the total exports last month were 650,724 tons, showing a decrease, compared with the corresponding month of last year, of 7808 tons. The total exports from Jan. to Sept., inclusive, were 4,880,048 tons, being an increase, compared with the same period of 1857, of 103,556 tons. During September the Northern ports exported 425,901 tons, increase 21,036 tons; Yorkshire ports 30,039 tons,

decrease 4422 tons; Severn ports 128,829 tons, decrease verpool 35,105 tons, decrease 13,415 tons; and Scotch;

This time last year the standard for copper ore was 1872. 18a, at a produce of 64; it is now 1261. 18s., produce 64. At that time we were ing from a monetary crisis, and the trade in copper, as well as in every thing else, was depressed and uncertain. We have now an abundance money; and with trade reviving, how are we to account for the fact the the miner is getting 10\(lequip \) per ton less for his copper? Notwithstanding this, however, the dividends for the past quarter, as we stated last west amount to a considerable sum, and for the nine months of this year 261, 127\(lequip \). 18. If we look at shares—and that concerns us most in the article—we shall find, generally speaking, they have gone down with the standard, and considering the dividends they have gone down with the standard, and considering the dividends they have paid, and are filely pay, there is a fair margin for a good rise in many. Basset shares, about 12 months ago, were about the same price as now. South Frances has paid 30\(lequip \), per share this year in dividends, and shares are 60\(lequip \). In the paid 40\(lequip \), and shares 100\(lequip \). Lower, but the mine is poor. West Basset falle from 26 to 21; North Basset, 16 to 9; Great South Tolgus, 16 to 14 Alfred Consols, 13 to 8\(lequip \). Mary Anns have paid 6\(lequip \). Is, per share theyear, and are now 46\(lequip \), whilst last year they were 48\(lequip \). We might go of swelling the list, showing how, from the existing depression, shares have fallen, in some instances far below their value, and also that with a little discrimination and advice several might be selected for the probability of good rise as the price of metals advances, and more confidence is established while the advance to-day of 3\(lequip \) per ton in the price of tin augurs well for tin mines, and fully justifies the conclusion that the metal market is tending upward. ing from a monetary crisis, and the trade in copper, as well as in ev

good rise as the price of metals advances, and more confidence is established while the advance to-day of 3t, per ton in the price of tin augus well as in mines, and fully justifies the conclusion that the metal market is trib in mines, and fully justifies the conclusion that the metal market is trib in mines, and fully justifies the conclusion that the metal market is trib in mines, and fully proved to the stable of t

We understand that the Taliesin Lead Company will shortly be wound-up in the Court of Chancery. Attempts have been made during the last eighteen months to wind-up the affairs voluntarily; but after the prepara-tion of two several deeds by different counsel, and a Memorandum of Agree-ment by the solicitor to the company, and the expenditure of considerable law costs, there appears no prospect of bringing matters to a satisfactory termination. The present case is a lamentable instance of the serious con-sequences resulting from shareholders neededing to a study to their own intermination. The present case is a lamentable instance of the school sequences resulting from shareholders neglecting to attend to their own interests; for had they met together in an amicable spirit, and passed a resolution to dissolve the company, and wind-up the affairs, in conformity with the rules and regulations under which the company was established, and appointed a man of business to liquidate its affairs, it appears evident that a very few days would have sufficed to have brought matters to a satisfactory issue. We are further informed that, in the event of the company business here are included in the company of the company and the company of the factory issue. We are further informed that, in the event of the company having been amicably wound-up, the creditors evinced a disposition to reduce their claims to an amount below 2000£; whereas, if the affairs are brought within Chancery proceedings, the claims and costs cannot be estimated at less than 8000£.

At Truro Ticketing, on Thursday, 4245 tons of ore were sold, realising 23,605l. 19s. The particulars of the sale were—Average standard, 128l. 17s.; average produce, 63; average price, 5l. 11s. 6d.; quantity of fine copper, 273 tons 15 cwts. The particulars of the sales during the past month have been—

Compared with last week's sale, the advance has been in the standard 2l. 11s., and in the price per ton of ore 3s. 3d. Compared with the corresponding sale of last month, the advance has been in the standard 2l. 14s., in the price per ton of ore 3s. 6d.

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with the Boscawen diagonal shaft was sunk to this place. At Wheal Hazzard, and drying the 190, 85, and 65 south, on the narrow lode. At the Higher Mine, the was drying the ends on tutwork, favir of which were leaving the ground. There was no staff was shring under the 100, at 41. Its. per fathom, in which the Education of the grant sosping tim on tutwork, and eleven pares on tribute. At the Chycornish, and ground the staff ground the staff producing tim, but of low quality. At the Wheal Cock, they had nine ends the ground the staff ground. The mine was tooking quite as well as at last meeting.

At Great South Tolgus meeting, on 'Thursday, the accounts showed—have staff to the staff the s

with the per fin.

At West Alfred Consols Mine meeting, on Oct. 16 (Mr. G. A. Ashton, at West Alfred Consols Mine meeting, on Oct. 16 (Mr. G. A. Ashton, it is chair), the accounts showed—Balance last audit, 6581. 8s. 11d.; mine cost, June is is chair), the per short was made. Gills & d.; or as old (less lord's dues, 1-24th, 13l. 18s. 1d.), 319. 17s. 2d.; leaving size against the adventurers, 8431. 0s. 5d. A call of 16s. 5d. per share was made. Option Lean and Stevens reported that the flat-rod shaft was sunk 6 fms. 2 feet below the state of the

such 10 in. wide, both disordered, but from their inclination were likely soon to unite.

At Great Wheal Alfred meeting, yesterday (Mr. T. Field in the chair), the scoutts showed—Balance last audit, 3846. 8s. 4d.; inter cost, 39634. 1s.; merchant; shib, 1614. 14s. 2d.; office expenses and sundries, 524. 15s. 5d. 5 5082. 18s. 11d.—Calls noised, 912. ore sold (deducting 1244. 18s. 1d.), 36154. 0s. 5d.; teaving balance against the 508. So. 5d. A call of 3s. 9d. per share was made. Capts. M. W. Michell, W. M. Bagliole, and W.n. Arthur's report will be found are longer to the Mining Correspondence. Aresistics for the accretary to proceed against; all persons in arrear of more than one of was suggested, but Mr. Thos. King of sidered that the matter had better be left in a bads of the committee. Mr. Uttle also opposed the resolution; and the arrears left small it was withdrawn. In reply to Mr. Watson, Mr. Boyle stated that the mer-dast bills were charged up to the present time. The usual complimentary vote termasted the proceedings.

At the New Treleigh Consols meeting, on Tuesday (Mr. Wm. Little in gedsir), a statement of accounts for June, July, and August, was presented, showing out balance of 181, 12s. 7d. In hand. A very satisfactory report was read from the gods, by which it appears they have made their first sampling; and, from the indicates, there is every prospect of regular and increasing returns being made. A call of b, per share was unanimously agreed to; and a resolution passed for disposing of 300 to unappropriated shares at 12s, per share, including the call. The meeting separate personal expressing the greatest confidence in the ultimate success of the undertaking.

of the unappropriated shares at 12s, per share, including the call. The meeting sepasais espressing the greatest confidence in the utilimate success of the undertaking.

At Sithney Wheal Buller meeting, yesterday (Mr. George Noakes in the
eait), Mr. J. Whatmore read the report, which stated that the 30, east of the north
eggs-shaft, on Mostal Lode, was 2 feet wide, and very wet, but poor for mineral. In
gis-shaft, on Statal Lode, was 2 feet wide, and very wet, but poor for mineral. In
gis-shaft, on Statal Lode, was 14 feet wide, and very wet, but poor for mineral. In
gis-shaft, on Mostal Lode, was 14 feet wide, and very wet, but poor for mineral. In
gis-shaft, on Statal Lode, was 14 feet with the lock had become disordered; the winze sinking below

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sistence. That the report presented by Capt. Chappell, which is also confirmed by the semmentation of Capts. Rendal, Michael, W. Martyn, and Quintrell, be received, and talk is tecommentation be at once carried out. "The unceting, therefore, stands adjusted for a month. At Wheal Jame (Kea) meeting, on Oct. 15, the accounts showed—Mine tast, May, June, July, and August, 38281. [5s. 74]. Fordis dones (1-18th) and charges, 18th, 18

ster of 6934. Is. 4d., to meet which a call of 2s. per share was made, payable on or before the lith of November.

At Wheal Union meeting, on Oct. 14, the accounts showed—Balance lat audit, 547f. 6s. 9d.; mine cost, July and August, 685f. 17s. 6d.; merchants' bills, 40f. 9s.; tribute, 51f. 16s. 5d.; sandries, 3f. 6s. 3d. = 17331. Js. 1d. —17in account. 13f. 1s. 6d.; calls received, 642f. 17s.; leaving balance against mine, 958f. 17s. 5d. A call of 7s. per share was made. It was resolved, "That this meeting, viewing with much concern the continued enormous expenditure at the mine, the committee be refused to confer with the agent on the subject, and order the auspension of all experimental work, except that which is absolutely necessary for the gradual development of the mine." Capt. T. Glauville reported that the new shut was holed to the 20, but the men had not completed their bargain to the bottom of the level, and that they had at serice about 250f. worth of the ores.

At Wheal Constance meeting on Thursday (Mr. English in the chair), be accounts showed—Balance is at audit, 7t. 2s. 1d.; calls received, 608f. 5s. =615f. 7s. 1d. Maccounts above 4d. 429f. 1ls. 1ld.; merchants' bills and sundries, 18ff. 1s. 5d.; laving balance in favour of mine, 4f. 13s. 9d. The balance of liabilities over assets was 28kf. 7s. 6d. A call of 12s. 6d. per share was made. The mine has been inspected by Capts. Champion and Grose, who report that an elvan course traverses the Cargoli mines and a first angles with the lodes, and about its junction they find the best deposits of lead; and, as far as they can ascertain its bearing, it will intersect Wheal Constance lead; and, as far as they can ascertain its bearing, it will intersect wheal Constance lead; and, as far as they can ascertain its bearing, it will intersect wheal Constance lead; and, as far as they can ascertain its bearing, it will intersect Wheal Constance lead; and, as far as they can ascertain its bearing, it will intersect Wheal Constance lead; and, as far as they can

Mining Correspondence.

At Wheal Agar meeting, on Oct. 14, the accounts showed—Balance last ship, 31.8, 70.1, interest and banker's commission, 184, 13s. 7d.; mine cost, 1200/. 17s. 8d.; mechants' bills, 3071. 5s. 8d.; sundries, 137. 14s. 3d. =1620/. 7s. 4d.—Calls received, 8ll, 16s.; ores sold, 410. 16s. 9d.; rent of stamps, stores, 10 account, &c., 7l. 3s.; leaving balance assists the mine, 345/. 1ls. 7d. A call of 2s. 6d. per share was made. It seriouved that the committee confer with the agent upon the advisability of erecting them—single at Windstow sharft, and act as they may deem it expedient; and that the stitement of the salaries of the agents at the mine be referred to the committee of magnenet. Capt. Roberts reported that the confine-shaft, the 60 fm, level 29 fms, west of the cross-course—the lode was small and unproductive. The 60 cross-cut was extended

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60 fathoms north of the morth lode. In the 50, east of Windstow shaft, the lode was 114 ft. wide, and producing I ton of one per fathom. The prospects of the mine had improved the last four months.

The Brookwood Mine (Brackfattleigh) meeting, held at Mr. Rice's offlice, Austility'sis, oil blooking, to coinsider the supportion of the Wheal Emma Company for a union of the two mines, was attended by the principal shareholders, and a resolution was carried by a large majority in showour of appointing a committee to confer with the Wheal Emma committee, and report their views on the subject to a general meeting of shareholders. It was the impression of the meeting, however, that no suitaketary arrangement would be arrived at between the two companies, from the fact that considerable diversity of opinion existed as to the relative value of the shares in such mine, and no disposition exhibited off the part of some large shareholders to abide by the decision of one or more disinterested practical sightles on that Alrockwood Mine is of equal value to wheal Emma: and one practical uniner, whose opinion has been taken, asserts that as the great cross-course is in Brook set, there will be found the larger depends of ore onfirming, or otherwise, the resolution in the chair), convened for the purpose of confirming, or otherwise, the resolution passed at a special meeting, on Aug. 6, "that the company be wound up voluntarily under the previsions of the Joint-Stock Companies Act, 1856-57," there not being 15 shareholders present to form a quorum, the meeting was adjourned until Tuesday next.

At Wheal Clifford meeting the account, showed a balance against the adventurers of 30981. Sa. 6d.; but from this mist be deducted 6681. Ios. Ild., the loss on the "new engine cost" account, but from this mist be deducted 6681. Ios. Ild., the loss on the "new engine cost" account, but from this mist be deducted 6681. Ios. Ild., the loss on the "new engine cost" account, but from this mist be deducted 6681. Ios. Ild.,

The Cologne Mining Company have convened their annual meeting for 4. 29. Under their constitution they must hold a meeting in Cologne, but that is only

Oct. 29. Under their constitution they must hold a meeting in Cologne, but that is only of a formal nature.

In Foreign Mine Shares generally there have been but very little doing, yet great activity has again been manifested throughout the week in the shares of the North Rhine Copper Mining Company of South Australia, and the price has further advanced. The closing quotations yesterday were ½ to 5-16ths premium. The shares were issued on Thursday, and at the meeting of the Committee of the Stock Exchange, on Monday, a day will be fixed for a settlement of transactions in these shares. From the Pontigioland Mine report, Oct. 19, it appears that the works are being steadily and successfully prosecuted; the lode mentioned in the last report as having been cut in the 40, driving south of Agnes shaft, is composed of quartz, rich in silver-lead ore, and is estimated to yield 2 tons of ore per fathour; the stopes in Roure continue to yield well, and give them as much ore as they can dress under present circumstances. The new axle for the water-wheel having arrived, the engine has been set to work, and the aine drained to near the back of the 70 metre level, and they expected in a few days to nave the mine completely drained and in full work; the shares are quoted at 4 to 8. In Copiago shares there has been a little more demand, at 11, 13; United Mexican, at 3½; and 60 her Copper, at 35, 37. The report received by the Wildberg Mining Company, to Oct. 16, states that the deepening of Michael's shaft is proceeding very satisfactory, and the various lodes being 3 tons of silver ore per lachter. From the Alten and Quammagen Mines a very satisfactory report has been received, dated Sept. 8 to 24, and although there has not been any new discoveries worth taking special notice of at the old mine, the produce was improving. The United Mating special notice of at the old mine, the produce was improving. The United Mines were being worked by tributers only, at very remunerative rates. At Quaenafgen Mine, the lode under the 10 w

For American Securities the market continues without animation. ansactions in the several State stocks have been to a very limited extent. United State ive per Cent, bonds have been more freely offered; there are still, however, purchaser 94, while 95 is asked. In railroad securities there is no change to notice.

DERBYSHIRE.—Our Correspondent writes:—Having given a summary last week of the operations at the different principal mines in Derbyshire, we have little to add this week to that already given. The most noticeable feature has beet the enquiry for and advance of North Derbyshire and Mill Dam shares. The North Derbyshire plant has been much admired, the engine especially; and as mining operations are expected to commence at Wren Park so soon as the engine is worked at Calvet Sough, an addit on all interest is manifested in the works. The Calver Sough engine will, it is confidently believed, relieve Wren Park of water.

will, it is confidently believed, relieve Wren Park of water.

We have frequently alluded to the very extraordinary richness of the copper mines of South Australia, and the arrival of each succeeding mail tends to show that our information has been correct; yet, really, there has been no opportunity hitherto of testing the mines in a proper manner. Just as the various localities were getting into activity the gold discoveries in the sister colonies drew off the great bulk of the men engaged in mineral pursuits; but experience has shown us that there is more real benefit to be derived from the more certain and lucrative employment in copper mines than there is in the precarious occupation of gold digging. Labour is now rapidly returning to its original source of engagement in South Australia, and there seems every reason to believe that there will henceforth be no lack of able bands to assist in the full development of the several mines more or less opened up and worked upon. The principal copper mine now being worked is that of the Burra Burra, which pays at the rate of 400 per cent. per annum to its original shareholders, the ore yielding on an average 22 to 24 per cent. of copper. The Kapunda, of which the working capital is only 6000L, it is said produces at the rate of 25,000L per annum, and gives only 15 per cent. of copper from the ore. At Chambers's Mine, an entirely private enterprise, the average yield is equal to that of the Burra Burra. The Port Lincolu, already proved to be highly productive and rich in yield, now lies inactive, from the apathy of the present private owners of the land. Two more mines of great promise are now being opened up. One, the North Rhine of South Australia, gives, on a produce of about 200 tons, an average yield of 27 to 30 per cent. of copper; and the other, the Bon Accord, although not yet returning, gives good indications of early yield.

Overland telegraphic intercourse between London and New York, to which we alluded last week, is now progressing satisfactorily, with every probability of a speedy arrangement of necessary details. It is to be so organised that the sanction of the Governments of England, the United States, and Russin will alone be necessary. The lines now in use as far as Moscow will be used, thence wires will be established direct to Behring's Straits, with repeating stations at proper distances. The entire length of the telegraphic line will be about 8000 miles, and it is estimated that communication will be made between the termini in four hours and a half—that is, between New York and London. From Behring's Straits it is intended to proceed from island to island (four, we believe) to Vancouver's Island, and so on, along the coast, to San Francisco, as previously explained. The entire marine distance will be under 2000 miles, and no length of submarine wire will exceed 500 miles, which is 300 miles within the distance along which it is found practicable to transmit an electric current. As we observed last week, the realisation of this undertaking is of the ut-As we observed last week, the realisation of this undertaking is of the most importance, and we trust to be enabled soon to announce the definite constitution of the company.

We call attention to the Photograph of Cook's Kitchen Mine, inserted in our Journal of this week, as containing some very curious infor-mation, showing the vast improvement attained in Cornish mining during the last century. The rates of payment can scarcely be said to b with the present remuneration. It is in the recollection of thousands when the miners' fare was barley bread, and his chief support "pilchers and tates." When one coat and one hat would probably serve his lifetime; when his hovel was of the rudest construction, and glass windows a luxury. Let a stranger visit the mines at the present day, and witness what science and machinery have done for miners. We learn from this document that Boulton and Watt received, for one month's compensation for saving they effected no less than 18%. A sufficient proof of what they effected at that early period. From it we learn, too, that there is a prece-

dent for payment to relatives as compensation for loss of persons killed in the mines. This may be of consequence, although the value of a life was only considered as II. Is., and an eight-day clock cost 54. 8s., yet an appeal to a jury, at this day, might be attended with very different results. We learn, too, that count-house expenses on setting and pay days were allowed thus early. Indeed, the whole document is fraught with information, which being derived from so celebrated a source as the Cook's Kitchen Mine, may be received as authentic. We are only surprised any mining agents could have been so ignorant as to have destroyed the documents mentioned as having been burnt 14 years since.

\*\* With last week's MINING JOURNAL we gave a SUFFLEMENTAL SHEET, which contains—Royal Cornwall Geological Society—Papers read:—Onthe Iron Mines of Perran—Notice of Copper Mining in Chili—On the Constitution and Structure of Slate—On the Chalk Flints and Greensand Fragments found on the Castle Down of Tresco, one of the Islands of Scilly—On the Strike of the Slate Beds in Cornwall and Devon—Notice of an Issue of Inflammable Gas in the Morro Velho Gold Mine, Brazil—Observations on the Gold Fields of the Pacific, and their Probable Extent—and Notice of the Copper Mines at Alderley Edge, Cheshire; Rough Notes on the Bantry Bay District; Notes on Mining and Metals—No. II.; Cornish Mine Photographs—Second Series—No. IV.; The Government Mine Inspectors' Reports; Cornish Mining Maxims—No. VII.; "The First Locomotive;" The Low Moor Iron-works; Chemistry and the Manufacture of Gas; Aluminium and its Alloys; Preventing Accidents on Railways; Boring Machinery; The United States claiming Quicksilver Mines worth Forty Million Dollars; The Workshops on the Tyne, &c., &c.

## WEEKLY DIARY.

WEERLI DIREI.
MEETINGS.
outh Lady Bertha Mining Company 51, Threadneedle-street—Oct. 25, at 1.  Kheal Glynn Mining Company 31, Threadneedle-street—Oct. 28, at 1.  teswick Mining Company 13, Austinfriar—Oct. 26, at 2.  Vest Par Consols Mining Company 117, Bishopsgate-st. Within—Oct. 26, at 1.
Tondon Railway Company London Tavern—Oct. 26, at 1.
Neymouth & Chan. Islands Steam Packet Co. Sersey Set. 12.
onth-Western Railway Company London Tavern—Oct. 27, at 1.
toya, Mail Steam Packet Company White Hart, Uttoxeter—Oct. 27, at 12.
kibden Mining Company 50, Threadneedle-street—Oct. 27, at 2.
wm Sebon Minths
Mohe Insurance Comb.
Cast Indian Ealiway Com, any London Tavern - Oct. 28, at 1.
ast Indian Kailway Com, any London Tavern—Oct. 28, at 1.  Willow Bank Mining Compan, 117, Bishopsgate-st. Within—Oct. 28, at 1.  Chester—Oct. 28.
President Hall Minium Company
Srynford Hall Mining Company London Tavern—Oct. 29, at 1.
Joine Mining Company London Tavern—Oct. 29, at 1.  Cottlinh Australian Investment Company London Tavern—Oct. 29, at 12.  London Tavern—Oct. 29, at 1.  Vest Rosewarne United Mining Company Lift, Bishopsgate-at. Within, Oct. 29, at 1.
Yest Rosewarne United Mining Company
West Rosewarne United Mining Company
Great Central Gas Company Liverpool Oct. 29, at 1.  Demerara Railway Company London Tayer 3—Oct. 29, at 12.
Demerara Railway Company

Secretaries and pursers will oblige by forwarding notices of forthcoming meetings.

	LEAD OR		
	Sold on the 16th C	october.	
Mines.	Maria Mai	on nor ton.	Purchasers.
Mines. Llaufyrnach	Sold on the 18th	ld o U	Sims, Winyams, & Co.
	Sold on the loth	Actories.	dime Willmann & Co.
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Frongoch	00 1100	13 12 0	ditto
ditto		13 18 0	ditto
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W near Frank Mills	400	Notehow	
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# COPPER ORES.

yal Hotel, Truro, Oct. 21.

Mines.		Tons.	Pri	ce.		Mines.	Tons			ice.	
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ditto		116		8	0	ditto	. 20		6	1	6
ditto		115		17	0	North Wheat Robert .			9	0	•
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				5	6	Holmbush	. 52		7	4	(
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ditto			3	5	6	ditto			3	9	-
ditto			2	17	6	ditto	. 17		4	15	-
ditto		74	4	8	0	Wheal Emma	. 53			12	i
ditto		57		4	0	ditto	. 39				7
ditto		18	10	9	0	ditto				12	1
Phoenix Min	es	106	4	4	6	Wheal Edward	. 57		4	0	
ditto			6	3	6	ditto	. 30		5	1	1
ditto			6	3	6	ditto	. 23		5	7	(
ditto			12	2	0	Wheal Friendship	. 65		8	3	1
ditto				15	0	ditto	. 41		13	9	
West Carado				14	0	Sortridge Consols			6	7	-
ditto	******			14	6	ditto	. 30		6	17	
ditto		75		15	6	Wheal Crowndale	. 66			11	
ditto			10	8	6	ditto			6	14	4
ditto				14	0	South Bedford			2	11	-
Bedford Uni				0	6	Tavy Consols			2	16	-
				18	0	Wheat Russell			3	6	
ditto				6	6	Wheat Arthur			3	9	
Marke Valle	y	100		-	-	RODUCE.				-	
Devon Great	Con 1	901		2	0	Wheal Emma 1	ıs	. £	555	5	
Phœnix Min			2701	6	6	Wheal Edward 1	10		503	19	
				13	0	Wheal Friendship 1			081	4	
West Carado			1289	5	6		92		599		
Bedford Uni					0		85		296		
Marke Valle				10					190		
North Wh. I			1085	0	6		14		101		
Holmbush .			1434	1	6		35		99		
Devon and C			491	.1	6		27			16	
Kelly Bray			568	19	6		27				

 Average Standard
 £128 17 0 | Average Produce
 6½

 Average Price per ton
 £5 11 6

 Quantity of Or
 £245 tons | Quantity of Fine Copper, 273 tons 15 cwts

 Amount of Money
 £23,605 19 0

 LAST SALE.—Average Standard
 £128 18 0.—Average Produce
 .6%

 Standard of corresponding sale last month, £127 18 0.—Produce, 6.
 .6%

# COMPANIES BY WHOM THE ORES WERE PURCHASED.

Mines Royal Company	. 108	. £ 785	14	0
Vivian and Sons		. 3955	4	10
Freeman and Co	. 233	. 1414	9	8
Crown Copper Company	301/4	. 273	15	2
Sims, Willyams, Nevill, and Co	. 54519	. 3241	11	8
Williams, Foster, and Co	. 709	. 5411	17	2
Mason and Elkington	. 489	. 2249	19	10
F. Bankart	. 316	. 1354	9	0
Copper Miners' Company	. 513	. 1756	8	0
C. Lambert	401	. 1458	3	11
Newton, Keates, and Co	132	. 887	1	0
Briton Ferry Company	. 252	. 822	4	9
	-		-	_

Copper ores for sale on Thursday next, at Tabb's Hotel, Redruth.—Mines and Parcels.— United Mines 680—South Caradon 419—Great Wheat Busy 386—Fowey Consols 329—West Damsel 242—East Wheat Tolgus 148—Grambier and 84. Aubyn 113—South Crimis 115—Wheat Mary Great Consols 96—Tresavean 56—Wheat Moyle 45—Creegbraves 65.—Total, 2667 tons.

brawse 36.—Total, 2667 tons.

Copper ores for sale on Thursday week, at Tabb's Hotel, Redruth.—Mines and Parcels.—South Wheat Toigus 503—Wheat Clifford 434—South Frances 422—West Seton 375—North Roskers 329—Wheat Basset 446—Pembroke and East Crimis 250—Trevole 220 —Wheat Seton 203—Copper Hill 105—North Crofty 99—West Stray Park 70—Wheat Harriett 54—South Wheat Basset 20—Pedn-an-drea 16—Wheat Grenville 10—West Condurrow 7.—Total, 3487 tons.

# THIRD SALE IN OCTOBER.

Years.		Tons.	Prod	Amou	nt.		Sta				Ore c				
1849		2594	 916	 £16,938	10	6	 £ 5	98	1	0	 £69	0	0	 £84	0
1850		8009	 916	 19,141	12	0	 1	96	3	0	 67	2	0	 79	10
1851		8546	 917	 22,587	8	6	 	89	12	0	 68	8	0	 88	10
								96	16	0	 98	-	0	 102	10
1858		4684	 6%	 30,428	14	6	 15	3.4	19	0	 94	16	0	 107	10
1854	*******	4582	 636	 27,930	- 8	0	 34	13	0	0	 97	18	0	 126	0
1855	*******	4736	 53%	26,866	6	0	 14	13	9	0	 96	12	0	 126	0
1856	********	4827	 636	 25,131	3	0	 13	28	6	0	 . 85	2	0	 107	10
1857	******	4982	 636	28,287	0	6	 - 13	37	18	0	 . 93	18	0	 121	10

The copper in the ore expresses the nett price par ton of copper paid to the miner.

THE PROGRESS OF MINING IN 1857,
BEING THE FOURTEENTH ANNUAL REVIEW.

IT J. Y. WATSON, F.G.S., Author of the Compendium of British Mining (published in
1848), Gleanings asses of Mines and Miners, &c.

The FOURTEENTH ANNUAL REVIEW OF MINING PROGRESS appeared in a SUPPLEMENTAL
BERT to the MINING JOURNAL of Jan. 2, 1858.

A FEW COPIES of the REVIEW OF 1833, containing Statistics of the Metal Trade.

A FEW COPIES of the REVIEW OF 1833, containing Statistics of the Metal Trade, the Dividends and Percentage Paid by British and Foreign Mining Companies, and the State and Prospects of upwards of 200 Mines. Also a FEW COPIES of the REVIEW OF 1832, 1853, and 1854, MAY BE HAD on application at Messes. Wayson and Cuell's Mining offices, 1, St. Michael's-alley, Cornhill, London.

Also, STATISTICS OF THE MINING INTEREST. By W. H. CUELL.

WATSON AND CUELL'S MINING CIRCULAR.

published every Thursday morning, price 6d. or £1 ls. per annum, contains Special Reports of Mines, and the Latest Intelligence from the Mining Districts, from an exclusive resident agent; also, Special Recommendations and Advice upon all subject connected with Mining, and interesting to investors and speculators. A Record of Daily Transactions in the Share Market, Metal Sales, and General Share Lists, &c. Edited by J. Y. Warson F. G.S., and published by Warson and Curas, 1,8t. Michael's-alley, Cornbill, N.B. Looking at the causes for the present depression in mining charcs, Messrs, Warson and Curas, have made a selection of a few dividend and progressive mines to pay good interest, with a probability, also, of a rise in value, the names and particulars of which will be furnished on application.

INVESTMENTS IN BRITISH MINES.—

Mr. MURCHISON'S REVIEW OF BRITISH MINING for the QUARTER Mines, Table of the Dividends Paid in the last Turce Years, &..., and a SPECIAL REPORT on TOLVADDEN MINE, by Capt. CHARLES THOMS, IS NOW READY. price One Shilling, at It's, Bishopsgate-street Within, London.

Report of the Review of th

ORNISH COPPER MINING ENTERPRISE,

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# Notices to Correspondents.

• Much inconvenience laving arisen, in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be regularly filed on receipt: it then forms an accumulating useful work of reference.

Listed Listenter.—Will you be kind enough to answer the following question? -Supposing a company formed under the Limited Liability Act, with a capital of 10001, in 500 shares of 2t, each, and the shares all paid-up, and a debt was incurred of 500t. because you have a partie liable?—Dalton.

In the case put no one would be liable to pay the debt of 500t. Incurred beyond the company's capital. The property of the company would alone be answerable to satisfy such debt. This is clearly stated by the John Stock Companies Act, 1856, sect. 61, which enacts — That in the event of any company being wound-up by the Court, or voluntarily, the existing shareholders shall be liable to contribute to the assets of the company to an amount sufficient to pay the debts of the company, and the costs, charges, and expenses of winding-up the same, with this qualification, that if the company is livered to contribution shall be required from any shareholder exceeding the amount, if any, expedion the shares held by thu. "]

Wolfram Orea.—Observing several references lately to these ores, can any of your cor-

Wolfram Oris, "open on the shares held by him."

Wolfram Oris, "Observing several references lately to these ores, can any of your correspondents inform me, through your Journal, what price per ton they will realise and to what purpose they are usually applied? I understand that many tin mines produce it, and that if there were a demand for it plenty could be brought into market.

-R. W.: Oct. 21.

-R. W.: Oct, 21.

Oct. Munica Corpany. —This company is now in liquidation. The principal creditor is the proprietor of the land, he at the same time having a large interest in the mine. From the reports which have appeared, it seems that the centleman who is appointed liquidator is one of the parties in the firm of which the creditor is the head. This may be all well, but I certainly think that some uninterested party amons the old-shareholders should be deputed to look after their interests. Mr. Richard Glanville was there for a considerable period. He knows the property well, having at several periods been underground; and there are many who have great confidence in him, as they are aware that his reports would be based upon what he has seen, and not be mere holiow skinnings at the surface without going underground, as practised by many gentlemen who now andertake not only to visit, but likewise superintend, mining properties, which they render in every degree adventures, and not enterprises, as they should be.—J. B.

BOYAL GEOLOGICAL Society of Conwall. — In regist to Mr. Pearce's enquiry, Mr. Yun.

Setal Geological Society of Cornwall.—In reply to Mr. Pearc's enquiry, Mr. Wm. Jory Henwood said that the Parys Copper Mine, Anglesca, was wrought in clay-slate. Colliest Inspection Fixes.—Can any of your correspondents inform me whether the law relating to the inspection of coal mines, or any law, entitles a Government line spector to take half the penalties imposed, which my attorney assures me is not only permitted, but acted upon? If this be true, no wonder that the inspection in some places is conducted with a view to fine, and not to secure safety in mines, or to save life.—H. G. places is con life.—H. G.

ific.—II. Greenen's Creating and Analogatation Machines.—A few months since I addressed you on this subject, being of opinion that the public would benefit materially by the introduction of these machines, if it could be proved their practical effect realised the anticipations of the talented inventor, since which no attempt has been made to comply with the reasonable expectation of parties interested. I do not know how to account for such statisty in a gentleman otherwise so intelligent. Surely, Mr. Mitchell, or those with whom he is acting, should state, for the information of those concerned, what progress is making to introduce the machine, and whether its merita are appreciated by those who have had an opportunity of examining them. Let merelate an incident within my own knowledge:—I am acquainted with a gentleman who invented a brick and tile making machine, nearly a quarter of a century ago, which obtained the prizes of the day. He was offered by a body of gentlemen and noblemen farmers 20,0001, for his patient. Some higging, pedding mercantile friend advised him not to accept less than 20,0001, it, herefore, declined the munificent offer. Some few months passed, and other inventors, profiting by his ideas, made improvements, which so cheapened and simplified the process that my friend's was laid on the shell.—Z. Newtownards Mining Conpant.—Mr. George Harrison, a forner manager of the mine,

Which so cheapened and simplified the process that my friend a war manager of the mine, NEWTOWNARS MINING COMPARY.—Mr. George Harrison, a former manager of the mine, claims the merit of the discovery about which so much discussion has arisen, in pre-ference to either Capts. Rickard or Silas Evans. Mr. Harrison had a difference with the company, and wrote a pamphilet in his justification, which enters into a very full explanation of the mining operations at the Newtownards Mines.

explanation of the mining operations at the Newtownards Mines.

TRALDWEIR MINING COMPANY.—I joined this company some years since. I then had great hopes of it; but my long experience now tells me it is merely a succession of calls. We have a committee whom I may say are like so many Bayards, "Sana lache et sans reproache." The secretary is a man of unimpeachable integrity. So far so good; yet having expended so much money of their own and other people, I think it would be conducive to the advantage of all parties if they would wind-up, and allow others the opportunities of frittering away their money in the same useless way we have done. It may be well for "preux checuliers" who have plently of money, to see the thing out, as they term it. Being myself, however, only a poor man, I should like either to have a return or a knowledge when my liability was likely to cease, as I do not wish to play this profitless and expensive game any longer. It may be possibly a great piece of philanthropy to keep the mine going, in order to afford sustenance to the labourers and a salary to the captain, but if the property were abandoned they would find employment elsewhere, and in the course of a few years the mine would be recommended by some seudo-scientific peripateit professor to the public notice, and another opportunity would be afforded for Cornishmen again to deal with the Cockneys.—M. G.: St. John's Wood.

ANGLO-CALIFORNIAN GOLD MINING COMPANY.—We are teld by the Mining Journal that

the Cockneys.—M. G.: St. John's Wood.

ANGLO-CALIFORNIAN GOLD MINING COMPANY.—We are told by the Mining Journal that the acts of the liquidators are approved, and that the company will be voluntarily wound-up. In the same publication, we are informed that Sir Henry limitely has obtained a Government situation on the coast of Africa. May his shadow never be less, and he live long to enjoy it, seeing the clever manner in which he has triumphed over those Solons, our directors. We had on that board a Chancery barrister, a common lawyer, two or three solicitors, a merchant, an agriculturist, a cute gentleman from Yorkshire and Birmingham, an officer in the army, and yet the slave-chasing hight was more than a match for the whole. He has gone to Africa—why did not the liquidators tell us how they had settled the lawsuit with him; was it a compromise? Did he render any account? and, if so, what was it like? There were formerly some independent shareholders, but lately their voices have not been heard. We were at one period told that the new direction was better than that of Mr. Luke William Chevin; these two were thought canny men, yet the commodore was even to much for them. Williams and Mr. William Chevin; these two were thought canny men, yet the commodore was even too much for them. A meeting is called for Nov. I; let us hope that this will be the flual, and that the name of the company will only be remembered as the last of the follies of the Californian gold mania, which enriched a few designing individuals, and ruined thousands who were not able to afford it. In many cases the hard earnings of a life were devoured by these harpies, and poverty and misery brought home to many a hearth where herefore, if not plently, at least a freedom from want had existed. Previous to the final dissolution, it is to be hoped that some independent standardoiders will require a proper balance-sheet, so that, at least, we may have the satisfaction of knowing how the large sum of money subscribed has been profligately, profusely, and wastefully expended.—F. G.: Oxford.

MANCELLORSYLLES GOLD MINING COMPANY.—In a exemplantic in the content of the content

profusely, and wastefully expended.—F. G.: Oxford.

CHANCELOBNYLLE GOLD MINING CONFAIN.—In an examination in the Court of Bank-ruptey, a few days since, fobserved the name of a gentleman there who figures as a director of this company. On that account alone his liabilities were fixed in round numbers at about 18,000. According to these figures, it would appear that the magnets of Mr. Harris did not successfully rotate for him. His losses were attributed to mining. This I consider is decidedly false, as no legitimate miner would or could have called the Chancelloraville a mining enterprise. Were I to characterise it as it deserves you probably would not allow it to be published. The company is not dissoived, but apparently merged into another. The works at Fredeham I will not allow myself to comment upon, but when we see an association like this, with directors, secretary, staff, &c., existing for several years, and then rendering no account of how they have disbursed the money entrusted to them, and issuing such reports and advertisements as suit their purposes for the time being; can we blame the public for distrust, or the ignorant for imagining that these are legitimate mining adventures?—Gallopen.

Connwais. Geological Society.—I much regretted to read your statement that this society was gradually decaying, as it certainly induces anything but a favourable idea respecting the intelligence of the body of which I have hitherto considered it an honour to belong. To hope for any immediate improvement amongst working minors is, perhaps, not so much in value as some may suppose. I have found many very desirous of improving themselves, but the amount they earn does not admit of their joining scientific societies, or otherwise gaining any large amount of knowledge. Now, the mine capitain is very differently circumstanced. He has it in his power to raise himself in an educational point of view to almost any extent he requires, and the consequence is that he is careless of improvement, and frequently really averse to it. If you could make the mine captains generally sensible of the advantages of education, you would do a great dead to elevate mining. At the present time, they seem to be the more climaing rather than the mere oducated of the mining community, which I should much wish to see changed; and i, therefore, carneally request every mine capitain in the country to give his support, by becoming a member of the Cornwall Geological Society.—A MINE AGENT: Pencade?.

in the county to give his support, by becoming a member of the Cornwall Geological Society.—A MINE AGENT: Pencaice.

Assistance United Mines.—Aff. Eunor, in his remarks on Ashburton United Mines, apeaks of the engine working in a satisfactory misurer. Does he really must to say that he is satisfact with the result of the pumping? Has his not conduct enough to state that they have made a great inistake, and that the engine is not driving the water? Is he not aware that the shaft was full to adit on Monday last?—An IsoCiteEs.

PRAT GAL.—I with gives with Mr. Hower in itialy points of his letter, but cannot altogether admit that no advantage is to be defived front substituting peat for coal where peat is particularly plentiffil—for example, in the vicinity of this tage of Freland. I think that the least Mr. Johnson could do would be to state the precise cost of his apparatus, and how much be cobilders ought to be allowed for wear and tear per 1000 ft. or gas manufactured. I drift lot a practical engineer injection for what has hitherto appeared, Mr. Bower seems to be arguing upon data furnished by himsoff, and which might probably be proved inscendant in we had Mr. Johnson's view of the case. Whatever "L. F." may say about the desire of Mr. Johnson's view of the case. Whatever "L. F." hay say about the desire of Mr. Johnson's view of the case to whose deep continued to be discussed.—J. C.

KATYDA MINE.—A meeting of the shareholders of the Kapunda Mine, South Australia, has been held within the last few days, but I have sought in vain for a report, of any information as to the proceedings on the exastion; nor has any almison been made to it in the newspapers. I, therefore, will for the appearance of the Mining Journal on Saturday, when, no doubt, every increasers particular will be laid before your readers. It is, in fact, reported that certain pursons, deeply interested in the mine, have taken I generally hear, but wish previously to see a statement of accounts, and earn the probability of success. Also whether th

A SUBSCRIBER.

[The Kapunda is one of those very few companies which desire to proceed with closed [The Kapunda is one of the research invariable excluded from their meetings.] The Rapuna is one of those very two companies which is also to proceed what codes, and representatives of the press are invariably excluded from their meetings. The project has the reputation of being of great promise. Probably some correspondent will favour us with details, or a copy of the report, before our next publication. The reason assigned by "A Subscriber" may occasion this unusual reluctance of the executive to furnish information.—Ed. M. J.]

colliest Inspection.—We cannot publish the letter of "A Lover of Justice" (Wake field); he should append his name, as a guarantee to the public of the justices of his remarks.

FALSE QUOTATIONS OF MINING SHARES.—On reading the remarks of "Speculator," in your valuable Journal, it appears that he means to class mining share brokers amongst those persons who do not individually use the most upright course in expending their clients' capital. This is an unworthy insimuation. Your correspondent, too, is wrong in his remarks with regard to the prices of mining shares being quoted. I consider no weekly or daily paper can quote the prices of mining shares correctly, recollecting that shares rise and fall every hour of the day. I have seen shares one day, Wednesday, 6½; the maxt day. Thursday, 7½, rising to 3½; the day after, Friday, they have fallen again to 6½. This all between the appearance of the Mining Journal, and the Saturday's quotation correctly marks them 6½ on the day of its publication. The same variation may apply to the morning and evening quotations of each day.—A LARGE SPECULATOR.

PRINCE STECCHATOR.

FIN-PLATE MANUFACTURE—"Inquirer" (Neath).—The most comprehensive account of the manufacture of tin-plates is contained in the Transactions of the South Wales Institute of Engineers. The paper was the first read before that institution, and Mr. Ebenezer Rogers was the author of it. The number of the Transactions containing it may be had at our office, price 2s. 6d., and an abstract was published in the Mining Journal of May 8.

WHEAL KITTY (St. Agnes) report was unavoidably omitted last week.

VILLAL KITTY (St. Agnes) report was unavoidably omitted last week.

G. G."—The Wentworth Gold Mining Company was ushered into public notice, under
most favourable auspices, in 1892, but little was then known of its operations. A
that period there were so many discretizable schemes before the public that it is now
useless to analyse their proceedings. Mr. De Salis was connected with this company.
Though it excited no particular sensation at the time, it must not be classed with severai of the hubble schemes of the day which are now extinct, and which only seemed to
have been formed for the purpose of plundering fools and enriching knaws. The most
feasible plan to adopt in this case is to apply to the London agents under the advice
of a solicitor.

a solicitor.

RALIAN COPPER—"B. B." (Antwerp).—The place of business of the (Burra Burra uth Australian Mining Association, and of the Kapunda, is Adelaide, South Austra. The Loudon agents of the Burra Burra are Mesers. J. Morris and Co., Crownert, Philipot-lane; and of the Kapunda, Mr. J. D. Kennedy, II, Broad-street-build, s. City. The Australian and other foreign ore is usually shipped to Swansea, an ere sold by thecketing, particulars of which regularly appear in our Journal.

there sold by ticketing, particulars of which regularly appear in our Journal.

GREAT SHEBA CONSOLS MINE.—I received a circular from the secretary (Mr. Eyton) of a meeting of shareholders held Aug. 27, 1857, and in it was embodied a report of the committee, consisting of the Rev. Dr. Pemberton, Major Yorke Martin, and Mr. John Beddoe:—"Your coamittee have delayed assembling you before, feeling it necessary, in order to complete their arrangements, to give the mine as personal inspection; and your committee report that the prospects of the mine are better than at any former period. The captain speaks most condidently of the nearness of success. The ore, within the last week, from the shaft at Kelly Hole is of firs superior quality to any yet brought up from the mine: and your committee look forward to the cutting of the lode in the 20 to reader your property at once highly remunerative." On reading your valuable Journal last week, I find by the report of Capt. Richards that the ore was of inferior quality, and small in quantity in the 10, at Kelly Hole; and the lode in the 20 has now been, cut without any ore in it, and very coarse. Who am I to look to be reconcile these statements?—A SHAREHOLDER.

GREAT SURFA MINE.—In reply to the enquiry of "A Shareholder," in last week's Journal,

cile these statements?—A SHARKHOLDER.

GREAT SHEBA MINE.—In reply to the enquiry of "A Shareholder," in last week's Journal respecting when the next meeting is to be held, I would refer him to Mr. Eyton, of 4 Lothbury, the secretary, who issues the notices. The rules in the cost-book state that the meetings are to be held two-monthly; it is now, however, going on five months since the last meeting was held, or the shareholders (35 in number) consulted.—YERAK.

• The Mining Journal can be procured at our office by Eleven o'ciock on Saturday morning Newsmen, therefore, can make the necessary arrangements to have the Journal at the several stations in time to forward by the mid-day trains, enabling many of our subscibers to receive their copies on the day of publication.

# THE MINING JOURNAL

Bailway and Commercial Gazette.

LONDON, OCTOBER 23, 1858.

The Reports of the Inspectors of Coal Mines for 1857 present much that is interesting, and much to deplore. In the arrangement of the reports, and the general summary prefixed to them, this volume shows a great improvement on its predecessors. The several reports are for contemporaneous periods; whereas the previous volumes were for dissimilar half-years, and were bound up together like a lot of odd pamphlets, from which no general results could be obtained, without devoting considerable time and report halour; and even after this expediture of time and time and much patient labour; and even after this expenditure of time and industry, the results were unsatisfactory and mecomplete. Another novel feature in these reports is the publication of an interesting and valuable Section of the Coal-measures of Lancashire and Cheshire, by Mr. Dick-NSON. This section has evidently been got up with great care, and is highly creditable to Mr. Dickinson and the gentlemen he mentions as having assisted him in its preparation.

having assisted him in its preparation.

So much we can honestly say in praise of this Blue Book—we would we could say more—or, at all events, that we could congratulate ourselves that this costly inspection was worth the money expended on it. But when we see, after seven years' experience, that the loss of human life in coal mines has increased, and is increasing, and that during this period 7081 colliers have been consigned to untimely deaths, we have but little heart to praise the Inspectors, or to congratulate the public on the success which has resulted from their labours. So far as their own statistics enable us to index, we were heter without the preserved. nas resulted from their labours. So har as their own salestos enable to judge, we were better without than we are with them; for violent de have been gradually increasing ever since their appointment; and t were 135 more deaths in mines in 1857 than there were in 1851; and some were 135 more deaths in mines in 1857 than there were in 1851; and some of them tell us there are but slight hopes of a diminished fatality in future. For instance, Mr. Dickinson, after eight years' experience, says—"That as the workings in many collieries are now getting deeper, and the winnings becoming more expensive to make, more men are being put into the same pit, and that, unless accompanied by improved management, explosions will continue as before, and become more and more fatal, according to the increased nonless of many working in the same mine." We have to the increased number of men working in the same mine." We have ever understood that the best management was always to be found in the largest collieries, and for the obvious reasons that the owners are able to employ the most competent viewers and overmen; and that it is only by the enforcement of strict discipline that a large quantity of coal can be produced, even in the most extensive mines. The whole of the Inspectors acknowledge that there is an increased disposition among the owners to

carry out the provisions of the Act of Parliament, and to attend to suggestions; and if this really be so, and the Inspectors honestly and e getically discharge their duties, we see no reason for the despondent adopted by Mr. Dickisson and others of his colleagues.

But, then, we must have a real and frequent inspection, and not a n police supervision of coal mines. In our previous remarks on this sub we have given many instances of non-inspection, and many more mide pointed out from the Blue Book before us—as, for instance, the L Hill explosion, by which 189 persons were killed; yet, as far as we judge from Mr. Monton's report, no inspection of the colliery was muntil after this fearful sacrifice of human life, notwithstanding Mr. Monthad at that time been six years and a quarter in office, and had 3000 lieries in his district. It is true that for the first five years he had collieries; but as Mr. Hedler had inspected 240 mines per annum, and addition, has visited the most dangerous ones three times a year, we see no reason why Mr. Monton's should not have been equally industriated in discharging the duties for which he receives such ample remuneration. It is to this remissness of duty on the part of the Inspectors that we tribute the failure of the Act of Parliament to diminish the loss of life coal mines. We have closely and unremittingly watched its operation eight years, and we are thoroughly convinced that hitherto the law has effected the object for which it was enacted. Experience clearly points its defects, and these are in its administration. From what has been a it is but too evident that no reliance can, or now ought to, be placed on voluntary and independent action of the Inspectors, but that their lab-voluntary and independent action of the Inspectors, but that their lab-voluntary and independent action of the Inspectors, but that their lab-

its defects, and these are in its administration. From what has been as it is but too evident that no reliance can, or now ought to, be placed on voluntary and independent action of the Inspectors, but that their labo ought to be superintended by a chief officer, who should be held respondly be to Parliament and the country for the due administration of this law the whether this officer be a Minister of Mines, as proposed by our esteem correspondent, Mr. MATHER, some years ago, or an Inspector-General matters less than that he should be thoroughly qualified for the office, a entirely unconnected with the colliery owners, and that his whole time decorated to the duties of his office. devoted to the duties of his office.

devoted to the duties of his office.

The entire unfitness of a Secretary of State to discharge the requision duties must be apparent to everybody; his position, training, and know the secretary of the power to enable him to superintend and direct the labor of the Inspectors; whilst the multiplicity of his other onerous engagement leave him but little time to attend to these duties. The delegation to othe of the power to appoint Inspectors is a proof of his inability to perform the duties imposed on him by the Act of Parliament. Were the appoind ment of Inspectors vested in a chief competent to form a correct opinion the qualifications of the candidates, the present grievance of delegations such patronage to a coalowner would be got rid of, and many other show lies and evils would be remedied. lies and evils would be remedied.

lies and evils would be remedied.

Nothing, it has been said, and with great truth, is more important eivilisation, and the material strength of nations, than the necessity of keeing up a rapid and efficient communication with and through their seven dominions. Those mighty conquerers of the ancient world, the Roman fully acknowledged the utility of this great axiom, and have left in it Appian Way, and other great routes, magnificent vestiges of their engineering capabilities. In countries wherever their wide-spread dominion he sway we still find traces of their foresight in the imperishable aquedue and viaducts, which have remained, and stood the test of centuries, and affected by the rapine and violence of those medieval periods, where no thing was sacred to the hand of the despoiler, or the clutch of the sem barbarised feudal baron. During the dark ages several of these structure were destroyed, many were mutilated, but sufficient remain to show, eve now that their remown is passed away, that they were a mightly people, an a pre-eminent race in their time.

If at the present period we look to Spain, Greece, Italy, and Turkey where the modes of communication are deficient, and at the same time is secure, we shall find that those countries are not advancing in prosperity in a similar ratio to those nations which possess the means of transportiant their produce from one locality to another by rapid and facile communication. Many articles, especially those necessary to the nutriment of humalific, are allowed in several districts to rot and perish, owing to the gree difficulty and expense of transport, and could this be avoided a mutual in terchange might take place which would be beneficial to parties who can not now, owing to these obstacles, fully avail themselves of the beneficial of 49 deg. north, and in close propinquity to our excitable, go-ales cousins—the citizens of the William and the present time is in a great measure directed to the new colony of British Columbia, situated above the paralle of 49 deg JONATHAN's affection to the mother country, and his amicable tendencit towards England, that the majority of the people have the fixed opinis that the British Crown has no right to rule in the western hemisphere that the Spanish race must be submerged into the great republic, and the all on the vast continent must be subservient to the States, and worshi the almighty dollar.

the almighty dollar.

The Government of this country, it appears, has in a most unusual manner acted with considerable energy. Sir Edward Bulwer Lyttox has shown himself above the trammels of office, and his quick action must have struck consternation into the hearts of the disciples of red tape and routine Mr. James Douglas, a gentleman of considerable energy, and practical knowledge of the Indian character, who has long been superintendent of the Hudson's Bay Company, is appointed Governor; and, from all accounts, it would appear that he has been equal to the emergencies he had had to cope with. Law officers are appointed, police are in course of organisation, and a detachment of that most efficient corps the Royal Engineers, under the command of Colonel Moody, C.B., has been dispatched to the colony.

to the colony.

We mentioned a short time since that the Hudson's Bay Company We mentioned a short time since that the Hudson's Bay Company as long known, even as far back as the year 1736, of the fertility of this teritory, which is now in course of settlement, but, from motives which it not here necessary to analyse, they denied its capabilities, representing as a sterile region, and unfit for the sustenance of man. Our readers may remember that, at the time they obtained the lease of Vancouver's Island we pointed out the impolitic act of the Government of the day. Experience has proved that our inferences then were correct, and that this important settlement should have been immediately declared a Crown colony Our intention is not here to recur to the past; it is with the present whave now to deal.

have now to deal.

In the year 1857 a paper was read, "On the Feasibility of a Communication between the Atlantic and Pacific," at the Geographical Society, from Mr. Thomas Bannister, of the Inner Temple. This gentleman, formerly a Captain in Her Majesty's 15th Foot, and High-sheriff of Van Diemen's Land, had resided some time in California in the year 1851, From San Francisco he addressed several letters on the subject to the Earl of Clarendon, at that time Secretary of State for Foreign Affairs. In these he stated, that if our territory were to remain without people, or even with a very few inhabitants, it would be absorbed by the United States, and he proposed to connect Great Britain directly with the western coasto and ne proposed to connect Great Britain directly with the western of America by rail and steam through the northern route, by starting from a point in Hudson's Bay—Canada working her way into the line in any maner she might consider best for her interests. This gentleman proposes the starting point to be Fort York, on the Hudson's Bay, and thence diagonally across the continent to some suitable point in latitude 51 or 52 degree over against Vancouver's Island, where the straits are narrow, and within 61th miles of Nockta Sound, on the occast side of the island. This line and he proposed to connect Great Britain directly wit fifty miles of Nookta Sound, on the ocean side of the island. would run through British territory; and on the route, in addition to the discoveries of gold now so well know, there are deposits of the more

According to the surveys which have been taken, it would appear that the engineering difficulties through the British territory present no great obstacles to the successful issue of the enterprise, whereas on the American side, they offer formidable obstructions; the country from Hudson's Bay to the Rocky Mountains being nearly a dead level. The portion of the line which is in British Columbia, it may be anticipated, will be self-supporting; and if the Canadian Government were to grant lands on both sides of the road which traverses that country, they would be further de-

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sizing the size as to fees the property to abandor which he construct to could be but of that by would be to be gain.
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paper "On the Manufacture of Malleable Iron and Steel without he paper "On the Manufacture of Malleable Iron and Steel without he paper "On the Manufacture of Malleable Iron and Steel without he paper "On the Manufacture of Malleable Iron and Steel without he paper "On the Manufacture of Malleable Iron and Steel without he paper to be of really practical utility; the first absolute success having a shieved by Mr. G. F. Göranssox, of Gefte, Sweden, from whom help interesting communication, detailing the result of his researches, was in another column. When the new theory was first propounded, a manufacture in the common of the motion of the interesting another column. When the new theory was first propounded, a motion of the motion mass into steel would be so considerate the oversion of the motion mass into steel would be so considerate to counterbalance any advantage which might otherwise accrite the process; it being apparent that, although Mr. Bassenik proposed a landou the use of fuel, properly so called, the extreme temperature which the obtained could not be produced without the combustion of some strial to produce it; and it was unlikely that the impurities in the mass and be barned without at the same time consuming a portion of the iron; which is marked into its component gases. We have now, however, its sertion of a practical Swedish ironmaster, that "from the time the pigg-iron has run from the blast furnace until it is formed into casting farmace may be produced, it is eviden not only that iron can be sufficient in Sweden;" so that, by whatever means the heat in the consuming farmace may be produced, it is eviden not only that iron can be sufficient in which we have a summary of the whole system of making krion in Sweden;" so that, by whatever means the heat in the consuming farmace may be produced, it is eviden not only that iron can be sufficiently as the produced of the waste incurred in the old system of making krion in Sweden;" so manufacturing it.

The complete successes which Mr. Göransson rec pneumatic process of manufacturing steel introduced by Mr. Bes-and which created so much sensation on the occasion of his read-aper \*On the Manufacture of Malleable Iron and Steel without

Apoint of some importance to public companies—to such at least which my not be able to make satisfactory progress—has been decided by Mr. Commissioner Fonblangue, upon an application made to him for the viading-up of the Calcorr Hall Mining Company in the Court of Bahruptey. It is this: that where a voluntary winding-up has been dermined upon by a majority of shareholders, an appeal for the public vinding-up cannot be entertained, unless under special circumstances. It appears that Mr. Mostyn, the owner of the estate on which the company agried on their operations, petitioned the Court for an official and public vinding-up; but as it was shown that the shareholders had already taken says for a private settlement of their affairs, the Commissioner determined to siliourn the case until the wishes of the creditors were ascertained, which led to the necessary enquiry, and nine out of thirteen creditors were in favour of a voluntary and private winding-up, and represented 4822, on of the 8164, the total liabilities of the undertaking. Mr. Lucas, for the petitioner, contended that the resolution of a first public meeting eight not to stop all other proceedings; but Mr. Laxyon, on the other site, showed, by the 64th section of 19 and 20 Vict., cap. 47, that it is specially directed the voluntary winding-up shall take effect from the passing of the resolution, and consequently not requiring the confirmation of a second meeting, as urged by Mr. Lucas. The Commissioner here-upon incerposed, and explained that the Act does not say that the presentition of a petition between the first and second meetings shall stop all proceedings. "That is the question," contended Mr. Lucas, "and a very important question for the shareholders of joint-stock companies. The Court is directed to have regard to the wishes of creditors, in deciding whether the winding-up shall be public or private; but it will surely inquire who those creditors are, and whether they have an interest in a private winding-up."

This, of course, was the point on winding-up.

rate winding-up."

This, of course, was the point on which the Court had to give judgment, and Mr. Commissioner FONDLANQUE did not hesitate to settle the question in dispute by saying—"I am of opinion that the voluntary winding-up has been sufficiently carried by the majority of creditors, both in number and value. It then remains for me to consider whether I shall in any manner interfere with that resolution. I do not think that any sufficient cause has been made for my interfering, further than that, under the 1sh section of 20 and 21 Vic., I shall order that half-yearly accounts be filed in this Court." be filed in this Court."

be filed in this Court."

This, as already remarked, is an important decision. It constantly occurs, when companies discover that there is but little probability of a successful prosecution of their works, and determine to close their affairs amongst themselves, that captious creditors, or one or two litigious shareholders, at once desire to throw the matter into court, which only leads to great delay, and still more certain waste of the funds of the company. It is well, therefore, as now shown, that where shareholders have resolved to close the business of the company, petitions for public winding-up will not be considered by the Court of Bankruptcy, unless fraud or collusion be proved.

LABILITY OF DIRECTORS.—It is understood that it will be attempted, by a legal technicality, to endeavour to overthrow the very just and satisfactory verdict given in the case of "Scott v. Dixon," at the recent Liverpool Assizes. It is intended to appeal on the ground that between Persons induced to purchase shares on the faith of the published reports and the directors of these undertakings there exists what is technically termed no privity of contract, so as to render these latter responsible for any fraudulent representations as to the condition of their respective companies. It is sincerely to be hoped that such an appeal will be, to the fullest extent, unsuccessful, as to reverse the decision, civen at Liverpool panies. It is sincerely to be hoped that such an appeal will be, to the fallest extent, unsuccessful, as to reverse the decision given at Liverpool would shake public confidence in joint-stock companies to a greater degree than can well be imagined. During the last few sessions an evident desire has been evinced to improve the position of shareholders, by rendering them more secure against the malpractices of directors; and, as a proof, we might refer to the passing of the Joint-Stock Companies Acts of 1856 and 1857, and the Fraudulent Trustees Act, each of which give the shareholders in public companies greater privileges than they had previously enjoyed. But if directors are to be permitted still to issue delusive statements, what advantage can the poor shareholder hope for from the several legislative enactments? Or of what effect is the 20 and 21 Viet., cap. 54, sect. 8, which provides that "If any director, manager, or public officer of sgislative enactments? Or of what effect is the 20 and 21 Viet, cap. 54, sect. 8, which provides that "If any director, manager, or public officer of any body corporate or public company, shall make, circulate, or publish, or concur in making, circulating, or publishing, any written statement or account which he shall know to be false in any material particular, with intent to deceive or defraud any member, shareholder, or creditor of such lody corporate or public company, or with intent to induce any person to become a shareholder or pariner therein, or to intrust or advance any money or property to such body corporate or public company, or to enter

Into any security for the benefit thereof, he shall be guilty of a misdemeanor;" and liable, according to clause 10 of the same Act, to be sentenced to three years' penal servirude, to two years' imprisomment, with or without hard labour, or to pay a fine "as the Court shall award?" Now, the misdemeanour being fully proved against Mr. Dixon, and his having escaped with the payment of a fine, instead of being required to undergo the more ignominious sentence of penal servitude, or imprisomment with hard labour, it would have been thought that he would have preferred letting the matter there drop to having it revived, in the hope of upsetting a just verdict, by availing of a legal technicality. Referring to the grounds upon which the appeal is to be based, a correspondent very justly remarks that, "Should so absurd a doctrine be found to prevail, it will be a diagrace to English jurisprudence; nothing can be conceived more likely to bring the common law into contempt than the defeat of a most righteous judgment by such barbarous jargon. Just conceive such a thing! Directors of a public company, having in their sole possession the books and information essential to the guidance of purchasers for investment in the concerns over which they preside, and of which position they avail themselves, by false statements, to influence the public market, and thus to spread ruin over the whole country, are at liberty to do so, on the ground that such false statements are not made to any individual in particular, nor even to the public in general, but only to existing shareholders; and that, therefore, no liability attaches to them for the monstrous frauds by which a purchaser has been misled into investing and becoming a partner with swindlers." For ourselves, we believe the principle of association capable of rendering material assistance in the development of our commercial industry, and therefore trust that we may never have to record a decision, either in law or in equity, which would then to create a feeling in the dustry, and therefore trust that we may never have to record a decision, either in law or in equity, which would tend to create a feeling in the mind of the public that shareholders have no protection against careless or fraudulent directors.

THE MINING AND INDUSTRIAL INTERESTS OF CORNWALL.

Oct. 21.-The standard advanced last week, and made 2s. per ton difference in the price of ore paid to the miners. At the same time the price of ore copper advanced to 85t. 8s. per ton, and it is difficult to conceive, looking at the experience of many years past, that this price for ore copper will be continued, unless the smelters intend to raise the price of fine copper. The price of cake copper has been for some weeks 981. per ton, and between this and last week's price of ore copper there is only 121. 12s. per ton difference; whereas, if we look at a year's sales, we flud that the average

The price of cake copper has been for some weeks 981. per ton, and between this and last week's price of one copper there is only 124. 12s. per ton difference: whereas, if we look at a year's sales, we find that the average difference between ore copper and cake copper is between 221. and 234. per ton. That has been the average difference for the last two or three years, and the smelters are not likely now to reduce the difference to 124. 12s. without very shortly raising the price of fine copper to make the usual difference between the buying and the selling price of copper. It is true that the present abundance of money gives facilities for holding stocks, but still the smelters are not the kind of people who are generally disposed to advance prices to the miners while they sell to consumers at a low rate. One of two things will, therefore, happen—either the standard will be again reduced, or the price of copper will be advanced. The latter is the most likely, seeing that the home trade is decidedly improving, and the foreign trade is a little better than it has been.

There is much more business doing in mine shares than there has been for some time past, both in dividend and progressive mines, and some of the new mines also find favour with the public. Dolcoath shares are very firm, consequent on the excellent condition and prospects of the mine. The deepest level (the 254), on the north part of the main lode, is worth 804, per fim. for tin, and the winze sinking below the 242 is worth 754, per fm.; the winze will be communicated to fine 254 in about three months, and some very productive ore ground will then be available. The deepest levels of the mine are the best; the eastern and western ends of the 424 are together worth 1354, per fm.; and Dunkin's shaft is worth 504, per fm. The tin deposit in this old mine, underneath the copper deposit formerly worked away, is certainly of an extracrdinary character; and it is probable that some other mines in the county, if worked to greater depth, would develope a venturers. South Toigus has a lode worth from 20t. to 30t, per fm. in the 110 west, and there are some very good stopes in the mine; the shares are from 70t. to 75t. Grambler shares are about 135t. Providence shares have advanced. Wheal Margaret, from 55t. to 60t. Old Tolgus United is looking favourable, and has every appearance of rewarding the adventurers on further development. Tresavean Mine going to work is an important event in the Gwennap district, and there appears to be every probability of success under good management.

Another effort has been commenced to establish means of mining education in Cornwall. At the recent meeting of the Royal Cornwall Polytechnic Society three schemes were proposed, one of these on behalf of the Council of the Royal Institution of Cornwall at Truro. The Council have proceeded to set their scheme in action by instituting a course of instruc-tion in chemistry. Mr. Pearse, of Dolcoath Mine, was an assistant in the chemical department of the late Mining School at Truro, and distinguished himself in branches of study bearing upon mining. He has now been ap-pointed by the Royal Institution teacher of an evening school at Pool, in a trict, where he will give instruction populous mining district, where he will give instruction in the elements of mineralogy, and chemistry at the low rate of 1s. per week. This instruction will be available to many young miners who may desire improvement, and look forward to the obtaining of agents' situations in after life. The plan is a good one, so far as it goes, and probably it may be followed by something more complete, in the establishment of district schools. It also appears that another Mining School is to be opened at Truro in January next, when a full course of instruction in mineralogy and metallurgic chemistry will be corrected. This class will occurre these propriets are next, when a full course of instruction in mineratogy and metalurgic chemistry will be commenced. This class will occupy three months, and will be conducted by Mr. Pearse, who will then give up his teaching at Pool. The advantage to be gained at Truro is, that the laboratory at the Royal Institution is there available for giving instructions for operating on Cornish ores, &c. The disadvantage, however, of the school at Truro is, that the expense of board and lodging places it beyond the reach of the more intelligent of the working miners who may desire instruction. Mining educations are the support of the working miners who may desire instruction. telligent of the working miners who may desire instruction. Mining edu-cation in Cornwall, to be popular and extensively useful, must be carried on in the heart of the mining districts.

The Cornish fisheries have taken a turn for the better. Since the recent gales the fish have come in in considerable quantities on the north coast. At St. Ives 4050 hogsheads were enclosed in the seines in one day.

There have also been good catches in Mount's Bay, off the Lizard, and at other points of the coast. An abundance of pilchards is a considerable boon for the working population.

### THE IRON AND METAL TRADES OF STAFFORDSHIRE. [FROM OUR CORRESPONDENT AT WOLVERHAMPTON.]

Ocr. 21.—The week after the quarterly meetings is not usually characterised by any large transactions in the Iron Trade, as most persons have entered into contracts or made purchases. All that can be said is, that there is more iron being made in the district, that it appears that we shall go on rather better this quarter than last, the canals and railways carry rather more goods, pigs are firmer and rather higher, and nothing is want-

rather more goods, pigs are firmer and rather higher, and nothing is waning but American orders to make the trade good. For these manufacturers must wafe until spring, when it is to be hoped they will come with the thawing of the canals and rivers in that country.

It is most gratifying to be able to state that the colliers' strike is over, with the exception of a low cases of isolated perseverance. Last week most of the pits west of Dudley were in full work at the reduced rates, and this week all appears to be so. The thin miners at Coseley also generally went in at the close of last week, and there are now more applicants for work than there is room for meu. In the original seat of the strike, Oldbury and West Bromwich, the men are generally at work, and it is felt by all parties that this unhappy contest is now over. Such a result was from the first anticipated, and however heavy was the reduction, it certainly appeared a most hopeless struggle, considering the position and prospects of the iron trade. Now that the strike sover it may fairly be anticipated that the price of coal will undergo a reduction, which is very necessary in relation to the manufacture of pig-iron.

the price of coal will undergo a reduction, which is very necessary in relation to the manufacture of pig-iron.

At the Staffordshire Quarter Sessions, on Monday last, the strike was the subject of conversation amongst the magistrates, and the Lord Lieutenant, Lord Hatherton, amongst other remarks, observed that—

It was proper to give some little credit to the colliers themselves. He believed that the late strike was the only one of any length with which he, in his 50 years' experience, had been familiarly, in which no having breaches of the peace had taken place, and no violent outrages had been committed. The improvement was universally attributed to the intelligence of the men. The greater manufer of them were now readers, and athough some of the newspapers which full into their it unds were not such as to meet with the entireapproval of those he was addressing, yet the hit elligence of the men was increased by perusing them, and they gained that good sense which, prevented them from resorting to violent outrages.

All prove the selections of the province of the men was addressing.

theintelligence of the men. The greater name of them were now readers, and atthough some of the now-papers which fell mot their greate were not such as to meet with the entireapproval of those he was addressing, yet the utelligence of the men was increased by perusing them, and they gained that good sense which; prevented them from resorting to violent outrages.

All must acknowledge the truth of these remarks, so far as they relate to the remarkable proof this struggle has afforded of a greater degree of self-control amongst this class of workmen. No doubt the diffusion of information has done much to produce this change for the better, but I should attribute it in a much greater extent to those less tangible, but more potent, influences which affect the moral rather than the intellectual nature. Within the last few years the higher classes of society have to an increasing extent rises to a perception of the duties of society have to an increasing extent rises to a perception of the duties of society have to an increasing extent rises to a perception of the duties of society have to an increasing extent this and almost every manufacturing district in the country; chaplains descend several of the collieries, visit the bedsides of the sick, whilst ladies, aiming at nobler objects than display in equipages and dress, give a large portion of their time to works of kindness and charity, eminently calculated to heal the sores which a hard, repulsive, and indifferent bearing towards the workmen in past times has occasioned. But, above all, it has been through the efforts made on behalf of the young that he hearts of men in the lower walks of life have been reached. The children of the miner have been cared for, their minds stored with interesting knowledge, which they, doubtless, proudly detail at home; they sing in their humble homes sweet melodies, taught them, perhaps, by the wife or daughter of the rich master," their overflowing joy cannot have failed to carry gladness to many a cottage, and to make the heart of

chased, and bearing the following inscription:—
"Tresented by the Miners of South Staffordshire to Lionel Brough, Eaq., Government Mine Inspector, on his removal from this district, in appreciation of his great usefulness energy, and ability. October 19th, 1858."

energy, and ability. October 19th, 1858."

Mr. Kettle, a barrister, whose frequent connection with mining causes has familiarised him with mining surveyors, and the peculiarities of mining operations in this district, arising from the great dislocation of the strata, presided, and in proposing Mr. Brough's health, warmly eulogised the manner in which he had fulfilled his duties, rather as a volunteer missionary going about to save human life, than a Government Inspector standing upon the authority which he derived from his appointment under the provisions of a special statute. Mr. Brough replied in the following terms:—

going about to save numan file, than a Government inspector standing upon the authority which he derived from his appointment under the provisions of a special statute. Mr. Brough replied in the following terms:—

I have always experienced difficulty in verbally expressing myself, but the present distinguished honour takes away even the very limited faculty of speaking that I previously possessed, and it becomes now almost painful to me, as I am conscious of not meriting the regard that is manifested towards me. If I have not in times past deserved so well of my neligibours and friends, the fact of my being here this night will be a lesson to me for the future; showing so clearly as it does that there is no person, however humble or mediocre, but who may meet with notice and kinduess if he endeavour honestly and faithfully to discharge the duties assigned to him. I do not mean the mere official duty of the day, but, in addition, all those acts of usefulness and kindness to our fellow-creatures which constitute the main requirements of a man living in a Christian land. When I reflect on all that I ought to have done since I commenced the battle of life, I become conscious of many lapses, and of many neglects to my fellow-men; but I repeat, that I have this night received so rich a leason, that it will ever make me more mindful of what I owe to all my friends, and to mankind in general. All who are present know something of the difficult and delicate nature of my employment. In Staffordshire; but perhaps few are aware how much it has been softened, and to me rendered easy, by the urbanity and good will of the coal and ironmasters, by the assiduous and kind attention of the viewers and mine agents, and by the decility and good sense of the workmen. I cannot help here regretting that recent events have somewhat clouded the good understanding which in this country has generally prevailed between the mosters and the men. My endeavour has always been to realise kindness and protection on the one part, and affection an

mever be abandoned. It is to be hoped that we may still retain that mutual desire to work together for the good of our fellow-men that has so long subsisted between us. Even though we may be parted, we may still all continue our efforts to that desirable and useful send. I must here be careful not to ousit to pay a passing tribute to an elevated body of gentlemen in the two counties; to their patience and sense of justice I owe much indeed. The magistrates of Staffordshire and Worcestershire are entitled to my grateful thanks for the consideration they have always exhibited towneds me. To them I am largely indebted for the complete and thorough, though kindly, working out of that Act of Parliament which happily for me fixed my labours in this great division of coal mines. I have now to say how grateful I feel to you all for the expression of good will and kindness which has been manifested towards me; and what a lively appreciation I entertain of the tasteful and splendle textimonial which you have this night presented me with. I can only repeat, that I could carmently wish and desire that my merits were more commensurate with so high a reward. In offering you my sincere thanks, I desire also to express my warmeet hopes and wishes for continued good health and increasing prosperity to you all.

His reception was most cordial and enthusinstic; and it must be a proud

His reception was most cordial and enthusiastic; and it must be a proud reflection that he has, on his retirement from this locality, received so marked a demonstration of respect from men who, beyond all others, are able to appreciate his ability, and the manner in which he has performed his public duties.

### REPORT FROM NORTHUMBERLAND AND DURHAM. [FROM OUR CORRESPONDE ST.]

Oct. 21.—The exports of coal from ali the leading north-eastern ports during September show an increase when compared with the corresponding month in last year. The increase is certainly not great, yet the fact is encouraging. The demarad for manufactures on the Tyne is somewhat im-

ing month in last year. The increase is certainly not great, yet the fact is encouraging. The demay of for manufactures on the Tyne is somewhat improved also, so that we may hope that a general improvement will take place shortly in the trade of the district, and that the demand for coal and iron will ago no become brisk. The progress made in the adjustment of the affairs of the District Bank has, no doubt, assisted in causing an improved feeling—dividends to a considerable amount having been paid to a part of the creditors of that unfortunate concern lately.

An explosion occurred a few days ago at the Seghill Colliery, by which a man of the name of Redhead was so much injured that he has since died. This is a very peculiar case, and one which shows the great use of safety-lamps in a very clear manner. It is well known that the Seghill Colliery is a very extensive one, having been worked many years on the main seam, which produces steam-coal of the best quality, so that the workings in that seam are very extensive. But, lately the working of another seam has been commenced, called the "yard seam," and it was here that the accident occurred that we have mentioned. The working here overman discovered that the air current was gradually becoming impure, owing to an emission of gas; this was owing to a change of wind and fall of the barometer, the gas not being emitted from a blower, but from fissures previously existing in the strata. He, therefore, proceeded to get the men and boys out of the pit as quickly as possible, and he had succeeded in getting the bulk of them out when the explosion occurred, which was an extremely fortunate circumstance, as, if he had not done so, it is very probable that a number of lives would have been lost, as the explosion was very violent at a certain them out when the explosion occurred, which was an extremely fortunate circumstance, as, if he had not done so, it is very probable that a number of lives would have been lost, as the explosion was very vrolent at a certain point. This circumstance clearly shows that a powerful ventilation will be required to work this seam in a safe manner. The colliery, as we have remarked, is extensive, and there are two shafts—the downcast pit being 124 ft. and the upcast 84 ft. diameter: they are both coal-drawing shafts.

We certainly think that the remarks lately made in the Journal respecting the Government Inspectors of Mines very opportune. We do think they ought to inspect as many collieries as possible, and prevent, it possible, such a state of things arising as to render accidents probable. We really cannot understand why they were appointed if they do not do so

really cannot understand why they were appointed if they do not do so.

They are men of ability, and are well paid, and their presence as often as
possible at our extensive collieries cannot fail to produce beneficial effects. They are men of ability, and are well paid, and their presence as often as possible at our extensive collieries cannot fail to produce beneficial effects. We cannot state how often they do inspect collieries in this district, or how many in one week, but we think that it would greatly improve the appearance of their reports if they were to give an account of the number of collieries visited by them. It is vain to imagine that their presence is not required. We have no doubt that many collieries can be much improved as respects ventilation. We were very much surprised lately on hearing that an extensive colliery here, worth considerably more than 100,000k, was ventilated by a current of air of about 6000 cubic feet per minute. It cannot be supposed that the owners of this colliery would have allowed such a state of things to exist if their attention had been called to the subject by the Government Inspector, as it was clearly as much opposed to their interests as to that of the workmen employed. Progrention is (as has been often remarked) better than cure. We will, we fear, get very little benefit from the Inspectors if they delay their inspection until after an accident has occurred. We do not think the the present Inspectors are too highly paid, but we think that men of a lower class, with considerably less sala-

has occurred. We do not think the the present Inspectors are too highly paid, but we think that men of a lower class, with considerably less salaries, would be more useral than they are likely to prove, as they would work much harder, and inspect more collieries in a given time.

A meeting of cold miners has been held near Bishop's Auckland, at which about 8000 me, a were present; Mr. William Liddell in the chair. He stated at the meeting that he had been discharged from his employment at the Stanley Colliery on account of his having taken the chair at the meeting held lately at the Shadon's Hill, although he had, he stated, never lost a day's work the last two years, but he is now free, and a missionary. For what purpose, we would ask? for the purpose of soving dissension between the workmen and their masters? for the purpose of propagating the tween the workmen and their masters? for the purpose of sowing dissension between the workmen and their masters? for the purpose of propagating the principles of the new Union? We really think it is much to be deplored that this man should have been discharged simply because he took an active part at a public meeting. If he wishes to be a sort of martyr, and gain a living by agitating, this is playing into his hands; if he really is a good workman, and anxious to be employed, it does not appear to be judicious to throw him on the idle list. The coalowners, as a body, have nothing to fear from public meetings; if he men choese to meet and have cious to throw him on the idle list. The coalowners, as a body, have nothing to fear from public meetings; if the men choose to meet, and have a little talk, that is a privilege all Englishmen claim and enjoy. It cannot be supposed that they will be intimidated, or prevented from pursuing any course they may determine upon by such petty measures as those; and we may remark, that we have much confidence in the good sense and intelligence of the great body of the workmen in this district, and that they will not easily be persuaded to adopt any measures injurious to themselves and their employers.

their employers.

The Weser, twin-ship to the great iron steamer the Hudson, is to be launched to-day from the Messrs. Palmer's works, at Jurrow, so that this launched to-day from the messrs. Palmer's works, at Jurrow, so that this enterprising firm will reap another laurel, and materially add to the fame of the Tyne for iron shipbuilding.

# REPORT FROM MONMOUTHSHIRE AND SOUTH WALES.

[FROM OUR CORRESPONDENT IN SOUTH WALES.]

Oct. 21.—We are happy to be able to confirm this week our recent reports of an improvement in the trade of the district. More activity exists at present than for some weeks past, many of the concerns in the hills being now well supplied with orders. At the Taff Vale Iron-Works a Being now well supplied with orders. At the Tait Vale Iron-Works a Russian order to some extent is now in hand, and keeps all departments in brisk operation. The Ebbw Vale, Tredegar, Rhynney, Blaenavon, and other works are also going on prosperously, both present circumstances and future prospects being decidedly encouraging. The continental demand is becoming more active, and from France and Russia favourable accounts continue to be received. Home dealers are also coming forward more freely, but from America very little support is at present derived. The result of the change has been to encourage fresh mining undertakings, and, as detailed below, several firsh yeins of coal are about to be worked. and, as detailed below, several fresh veins of coal are about to be worked. It is very satisfactory to find proprietors thus recovering confidence, and we have no doubt their exertions will be rewarded with a large measure of

success. Of course, no alteration has at present been made in wages, nor can any be expected before the close of the year, at the earliest.

A return has just been issued of the exports of coal and iron to foreign parts from Bristol. The quantity for the month of September was—coal parts from Bristol. The quantity for the month of September was—coal 265 tons, and iron 5432 tons. Compared with the previous month these returns show a falling off in the exports of coal of 855 tons, and an increase in those of iron of 910 tons. The greater part of the coal was shipped for Demerara, and the larger portion of the iron went to New York. For the quarter ending September the exports of coal were 2711 tons, and of iron 12,438 tons, in both an increase being shown over the previous quarter. Considerable dissatisfaction is felt here with the recent official report re-

garding the respective merits of Welsh and North Country coal. It is considered that a fair trial has not been made of the former, and that an undue preference for the latter has been exhibited by the commissioners from the first. Had the subject been fairly enquired into by competent and impartial men, it is alleged that the whole tenor of the present report

would have been changed. The experience of captains who have used both descriptions of coal is appealed to in support of the statement that the Welsh steam-coal is far superior to that produced in any other part of the country, and strong testimony is undoubtedly adduced on this side. The complaints are general, and it is reported that the principal coal owners will, before long, adopt measures which will bring the question to a just and fair subjution.

owners will, before long, adopt measures which will bring the question to a just and fair solution.

It will be remembered that, a short time ago, a serious strike and disturbance took place among the Bedminster colliers, near Bristol. A number of them assaulted one of the men who refused to turn out, and, for this they were duly punished. This week, Thomas Gray, a collier, was brought before the magistrates charged with assaulting James Smith. The complainant stated that Gray struck him in the face with his fist, but evidence was produced to show that Gray was innocent of the charge. The magistrates considered it was a case for a jury to decide, and accordingly committed the prisoner for trial, refusing to take bail.

Some rather heavy floods have occurred lately in the Rhymney and neighbouring valleys, and in one instance some damage was done to a colliery, although the works were not long delayed. The rains in the early part of the present week occasioned considerable inconvenience, but the change in the weather will be the means of preventing any serious injury. Last week a man named John Davies, a workman at Penrhyn Quarry, near Aberystwith, was found dead under a mass of earth, which appeared to have fallen over him while he was at work. An inquest was held on the body, and a verdict of "Accidental Death" returned. At the Cwmerfyn Mine a fatal accident has also occurred. A miner, named Thomas Mason, fell while descending a shaft, and expired very soon afterwards. No blame was attached to the authorities of the colliery.

Accounts from the Ely Valley state that mining enterprise was never shown to a greater extent than at the present time. The mineral under the Cobena estate has been let to Mr. W. Jones, formerly of Dowlais, and the property will, doubtless, be worked with the vigour and judgment usually shown by that gentleman. On the estate are valuable seams of coal in three groups, beds of iron ore, and superior veins of fire-clay. Sinking will be commenced in a few days, every preliminary preparation

having been made.

A fine vein of coal, 4 ft. in thickness, is reported to have been discovered on the Gellyrhaidd property, and coal has also been won on Gellygron. In the Bhondda and Taff Valleys more activity in trade exists, and one of the large coal proprietors has decided on sinking down to the steam-coal measures in a shaft now working the No. 3 bituminous. In a very short time, the Messrs, Fowler will commence working the No. 1 seam on Graighanna, belonging to Messrs. Rickard. All this shows that a general improvement in business has taken place, and there is every reason for anticipating that in the course of a few months the iron trade at least of the district will be more extensive than ever it was.

The following observations, furnished by a correspondent, are deserving

The following observations, furnished by a correspondent, are deserving of attention, although the evil complained of might be remedied in a manner different to that suggested:—

ner different to that suggested:

"An overman or freman ought to be above intimidation from master or agent; in fact, it is not to be doubted that scores of lives would be annually saved if overman and freman were paid servants of the Crown, and not of the coalmasters. If Government insisted that the appointment of such men should be in their bands, and that they should pass an examination prior to their appointment, proving their qualifications for such a responsible post, it is needless to say, for reason supports the idea, that many accidents might be averted, or, if not averted, the consequences considerably modified. We know many instances where overmen and fremen cannot write their names, nor read a single line, from which we infer they have no very extensive knowledge of hydrogen or carbon, or of any of the refractory elements they have to contend with, and by their skill to subdue. It is impossible that such men can give correct and faithful reports of the quantity and extent of the gaseous elements in the different parts of the workings. Their knowledge of the all-important schene of ventilation must also be very artificial and limited, and while on such important facts in mining they remain uninformed, perfect safety of life and property will never be insured."

William Parry, a haulier, in the service of the Rhymney Iron Com-

safety of life and property will never be insured."

William Parry, a hanlier, in the service of the Rhymney Iron Company, was engaged in removing the furnace cinders last Friday at the works. By some accident he became catangled in the wheels of the tram and fell, so that they passed over his legs, breaking one, and injuring the poor fellow in a dreadful manner. It was thought he would recover, but, after suffering great anguish, he died on Tuesday.

No additional light has yet been thrown on the late dreadful accident at the Primrose Colliery, near Swansca. To whom the blame of the occurrence can be ascribed, or whether the authorities are at all in fault, cannot at present be known; but Mr. Evans, Government Inspector, is making diligent investigation, and it is to be hoped he will sift the affair to the bottom. No more deaths have taken place, and fortunately the majority of the poor fellows killed were unmarried. The inquest will take place very shortly, and we shall present the most interesting points in evidence.

MANUFACTURE OF IRON AND STEEL .- Some few months since much interest was felt with respect to a new process for manufacturing iron and steel, introduced by Mr. Charles Sanderson, of Sheffield, and which was steet, introduced by Mr. Charles Samerson, or Shetherd, and which was referred to in an elaborate paper read before the Society of Arts. We are now enabled to give the details of the invention, which was provisionally specified, although it has been allowed to become public property, from notice to proceed not having been given. It relates, firstly, to the adaptation for the purpose of obtaining malleable iron of the process patented by him on Nov. 24, 1855, for the manufacture of iron; and, secondly, to the employment in the manufacture of steel of refined iron prepared according to the said process. This process consisted in refining pre-iron, or fluid to the said process. This process consisted in refining pig-iron, or fluid iron, as it came from the blast-furnace, by adding thereto (while on the bed of the reverberatory furnace) a chemical re-agent, which by its de-composition when acted upon by the heat, would evolve elements capable composition when acted upon by the heat, would evolve elements capable of combining with the carbon contained in the fluid iron, and reacting upon the silicon, aluminium, sulphur, phosphorus, arsenic, or any other impurity contained in the iron. The refined metal was then run into moulds, and subsequently by the ordinary mode of puddling further manufactured into malleable iron. The object of the present invention is the production of malleable iron directly from the puddling furnace or charcoal refinery, without the intervention of the process of refining the crude iron prior to its treatment in the puddling furnace as above described. He makes use of this process as an auxiliary means of attaining the desired end; and, therefore, melts pig-iron in the puddling furnance, as it is now melted in the operation of puddling pig-iron; or introduces the usual quantity of crude iron in a fluid state—say 4 to 5 cwts., as may be most convenient; then adds to such fluid iron any suitable chemical re-agents, as those described in the before-mentioned patent, enlarging the proporas those described in the before-mentioned patent, enlarging the propor-tion so as to effect a more rapid decarbonisation of the iron, and next pro-ceeds to puddle up the iron in the ordinary way; or he melts crude pig-iron in a charcoal refinery, or introduces fluid iron into it, and at once adds iron in a charcoal refinery, or introduces fluid iron into it, and at once adds the re-agents to such iron in quantity sufficient to decarbonise the iron, and then proceeds to work the iron in the charcoal finery in the ordinary way. In these operations he does not run out the metal in a refined state from the furnace, but produces malleable iron directly and at one operation from the furnace in which the crude pig or fluid iron is acted upon. In the manufacture of cast-steel the iron which he uses he decarbonises by means of the re-agents named in the patent before referred to, so that it shall contain a rejainture per centage and definite quantity of carbon, he shall contain a minimum per centage and definite quantity of carbon; he then melts the metal so decarbonised in a crucible, alone or with the ad-dition of malleable iron, or iron converted into steel, or iron ore which has by any process been deoxidised for the purpose of obtaining cast-steel, the quality may be determined according to the purity of the materials used.

Wentworth Gold Mines, New South Wales.—A correspondent at Bathurst sends us a long account of the ceremonies attending the starting of the engine at the Wentworth Gold Mines. Everything appears to be satisfactorily progressing under the careful superintendence of Mr. Edward Combes: a 39-horse power engine, as to Calculat Gold Company's works at Tamberrooms, and some of the Louisa Creek. n the Colonial Gold Company's works at Tamberoom, and some of the Louisa Cree chinery, has been erected, the starting of which was duly celebrated; great praise wa en to Mr. Combes, Mr. W. Johns (mining captain), and F. Clarke, engineer. Mr. Johnstone, Gold Commissioner; Mr. Busby, manager of the Union Bank; Mesars Lane, T. J. Lane, G. Colquhoun, A. Kerr. &c., were present.

THE MAYOR OF MELBOURNE.—Several of our Australian correspondents ask whether there is any foundation for the report that Mr. John Thomas Smith, the Mayor of Melbourne, is to receive the honour of knighthood? They express their hope that it is altogether a fallacious rumour, inasmuch as they argue that so many men of high political and coumercial position in the colony, who have visited Eagland, or are now here, have been allowed to return, or to remain, without having had any mark of royal favour bestowed on them, and that the present is neither a favourable nor satisfactory opportunity to depart from the course hitherto adopted. They instance, amongst many others, that Mr. William Nicholson, the late Fremier, a most popular man, and who has been very instrumental in promoting the prosperity of the colony of Victoria, has lately gone back from this codnity in the same social position in which he came here. In fact, it is implied that the visit of the Mayor of Melbourne to London was arranged solely in the expectation of obtaining knighthood, and that the object of the justney does not meet with the approval of the colonist generally, nor indeed of the body of the inhabitants of Melbourne. It is portinently asked whether there has been any communication from the Governor of Victoria to the Colonial Office, to recommend such a mark of royal consideration in favour of the present Mayor of Melbourne? THE MAYOR OF MELBOURNE. - Several of our Australian correspondents

# THE MINERAL WEALTH OF THE UNITED KIN

ZINC .- The following is the summary of Zinc p

Cornwall	18 4
Tologof Man 4.451	8 g
C1-1-1	4 3
North Wales	8 10
Total 900 11 a	-
Pig-iron.—Total produce in Great Britain in 1857:—	H II
Northumberland	
	3,250
	4,500
Lancashire	6,838
	1,233
	0,515
	12,360 17,149
	14,149
	4,057
	17,285
	1,500
	13,882
	360
	67,049
Ditto bituminous districts accessors	63,440
Peotiand	18,000
Ireland	1,000
Total produce of Great Britain and Ireland 3,6.	9.417
COAL.—Produce of the United Kingdom for 1857:—	
Durham and NorthumberlandTons 15.8	26.395
W	2.014
The hora and Marking horses him.	15,440
Wowelshabire	\$7,442
The state of the s	98,000
Leicesterstille	38,750
Stanordshire and worcesters life	\$4,625
1. ancasinre	85,500
Choshire	50,500
Saropentre	50,000
Gloucestershire, somersetshire, and Devonshire 1,2	25,000
North Water 1,0	46,500
South Wales 7,1	32,304
Scotland 8,2	11,473
Ireland 1	20,630
Total product of the United Kingdom in 1857 , 65.3	91,781
SALT The total produce of the United Kingdom :-	

April 0, 1000, was	6
Ditto of rock salt	П
Carried by railway from the districts of Winsford and Northwich, estimated.	ä
Workestershire-Stoke and Droitwich	1
IRELAND—Duncobe, near Carrickfergus (Belfast Mining Company) shipped	-
Diffo used for manufacturing purposes	
White salt manufactured	
Total produce of the United Kingdom	***
Total produce of the Chited Kingdom	А
ROTTEN STONE:	

The quantities of white sait carried on the River Weaver from April 5, 1857, to

ROTTEN STONE :							1.00
SOUTH WALES-Carmarthenshire,	Breconshire		****			To	ans
DERBYSHIRE						********	
ISLE OF MAN	*********		****	****	******	********	
BARYTES:-							
Alston Moor	Carbonate.					Tons	15
Northumberland-Fallowfield	Ditto .						tor
Shropshire	Sulphate, I	l. per	ton, 1	it for	grindi	ng	100
Derbyshire	Sulphate*					*******	800
Laudersdale and Skipton	ditto .					*******	100
Bantry, Ireland						*******	70
Kirkeudbright							7
Isle of Arran	ditto .	*****				*******	55
. This is manufactur	ed at Liverp	1001, V	Vignan.	, and	Welsh	pool.	

| OCHRE AND UMBER :-- | Tons | 384 | CORNWALL—Shipped from Truro | 25 | Halloon, Indian Queen's umber | 25 | DEVONSHIRE—Newton Abbot | 270 | Rocheshan' is found a very | RADDLE:—An oxide of iron. Near Rotherhan; is found a very beau-tiful variety of this oxide of iron, which is much used in polishing lenses. The quantity raised does not exceed 5 tons per annum. In the western counties it is used for marking sheep.

[To be concluded in next week's Mining Journal.]

CORNISH MINE PHOTOGRAPHS—SECOND SERIES.—No. V.

COOK'S KITCHEN MINE, ILLOGAN, CORNWALL This ancient mine is probably one of the most remarkable instance the continuity of Cornish mines if perseveringly wrought, having been in constant work for 100 years. In its earlier days it was celebrated for the production of tin ores. It is also said to be the first place at which copper ore was appreciated; at that time the adjoining mine was called Ballen's Garden (now Dolcoath). Documents still on the mine date as far back as 1766; they are highly valuable, and exceedingly interesting. About 14 years since, by an unaccountable act of vandalism, nearly half a tou of these memorials was a burnt by the them.

years since, by an unaccountable act of vandalism, nearly half a ton of these memorials were burnt by the then agents of the mine.

The old books preserved throw great light on the circumstances and mode of management at that time practised. From a notice in one of their pages we find the mine was worked by a "rag and chain purap," instead of the ponderous and costly machinery now used. The record, \*\*says—"15 August, 1766; Borad of Capt. Haten Donken a ragedbehead with all hooks, and 34 foot of chain."—"2 Sept., 1766; Borad of Penhallack (now Tincroft) oners 14 lbs. rope."—"Do. of do., 15 lbs. of rope." Though the orthography is so very imperfect, yet the accounts appear to be clearly and regularly kept, the settings of the various pitches being specified in a manner well worthy imitation by modern captains. It also appears that the custom of "spoling"—that is, fining the miners for dereliction of daty—was practised. For the month of October, 1766, 41 men (of whom six were punished in this manner) and 38 girls were engaged in dressing the —was practised. For the month of October, 1766, 41 men (of whom six were punished in this manner) and 38 girls were engaged in dressing the ores, whose wages amounted to 141.0s. 6d., or at the rate of about 4d. per day. The list of names contains those that are still familiar to mining people; many of the men now working on the mine are descendants from the old worthies. One very singular entry appears as "Christopher Bennats a horse skin." This material is now not used in mining; it was possibly applied for thongs, or traces, for the whim horses, as I perceive Bennats was a whim driver. It is shown that at the end of every month the materials not consumed were returned by the men, as there are entries as low as 2 lbs. of candles, and 1 lb. of powder. Subsist was, as now, given to tributers, of whom 14 were employed. We insert two specimens of the mode of setting:—

"Cook's Kitchen marks for November, 1766: Westran bottom, William Stephens taker—I mark is a abonyar hole in the south wall, near the croscose, 2 foot from bottom; 2, is a boyar hole in the south wall, 2 foot from bottom; 3, is a boyar hole in south wall, 2 foot from bottom; 4, is a boyar hole in south wall, 3 foot from bottom, and 2 foot from the end: Meyard, 29 Novemb., 1766." 29 Novemb., 1766.

29 Novemb., 1766. A survey hild at Cook's Kitchen Mine, for setting the north wins Brea lode, to sink, drive, and stope as directed, to six men until the 29 Novemb., 1766; and to save the ore carefully, or be spoild 2s. 6d. each time that such neglect shall happen, and to be conformable to all the customs of the mine: sett to Wm. Tellam for 15s. per fms."

At this period the mine was making extensive returns, considering the number of hands employed, as we find the following entries:—

Cook's Kitchen ore sampled 7 August, 1766:— Computed tons, 20; wald 20 tons 12 cwts. 0 qrs.; price, 181. 5s. 6d. per ton Computed tons, 10; wald 10 tons 0 cwts. 0 qrs.; price, 8t. 11s. 0d. per ton

Computed tons, 10., sand 23 tons 13 cwts. 2 qrs.; price, 171. 9s. 6d. per ton. Computed tons, 23; waid 23 tons 13 cwts. 2 qrs.; price, 5f. 10s. 0d. per ton. Computed tons, 19; waid 20 tons 7 cwts. 0 qrs.; price, 5f. 10s. 0d. per ton.

These lots were bought by Benallack and Smith."

From this period to 1790 the mine seems to have made rapid progress, as on Feb. 4 of that year the sales amounted to about 2000l. for copper as on Feb. 4 of that year the sales amounted to about 2000l. for copper; the tin bills and prices have been destroyed. The agents' salaries were 2l. 10s. per month, and the miners' earnings were about 1s. each per day. Amongst the singular charges for sundries is one to Jane Prideaux, for setting forth the corpse of Mr. Arthur, 5s.; Wm. Arthur, consideration for his son being killed in this mine, 1l. 1s.; and Mary Bennetts, for an eight-day clock, 5l. 8s. The doctor's money amounted to 1l. 15s. 6d. per month; and the purser's to 3l. 3s. In this year the costs amounted to about 1000l. a month. Until the month of October no mention of the impost of samplers' fees occur—in this there is an entry of 10s. 6d. for the samplers; and in November there was a meeting on the mine, at which the victuals are charged 3l. 18s. These charges from this time seem to have been kept up, as in 1797 Mary Cocking was paid 9s. 2d. for victuals

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or 1857:-

3,659,447

5,826,522; 942,918 8,875,440 3,687,442 398,000 698,750 1,164,625 3,565,500 750,500 750,500 225,000 0,46,500

394,707

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The first entry of ticket expenses appears to have been on Nov. 4, the first entry of ticket expenses appears to have been on Nov. 4, the first entry of ticket expenses appears to have been on Nov. 4, the first entry of ticket expenses appears to have been on Nov. 4, the first entry of ticket expenses appears to have been on Nov. 4, the first entry of the second of the first entry entry

and the quantity of the Cook's Kitchen Mine, the disnotice I conclude the Photograph of the Cook's Kitchen Mine, the agents of which I owe much for the courtesy and readiness with the grants of which I owe much for the courtesy and readiness with the agents of which I will be a second to the documents, and furnished me with the properties of the courtest of the co

biblian Agency.—Our Canadian possessions are now attracting some is significant which their vast mineral and commercial resources so fully significant to, and we may anticipate some considerable amount of British when the required for the development of undertakings connected with a prince. Mining, land, and railway companies are freely spoken of as participate. Mining, land, and railway companies are freely spoken of as participate to the general weal. As it is fairly presumed that the intercourse between the significant of public companies, offered by the present state of the law, has said of, and the Canada Agency Association constituted under favourable austic for the formation of public companies, offered by the present state of the law, has said of, and the Canada Agency Association constituted under favourable austication to the shares subscribed for. The object of the association is to provide instead to the shares subscribed for. The object of the association is to provide as atters in Canada, and the merchants, capitalists, and traders of Europe, and sense and responsible medium of communication between the Government, land-assisters in Canada, and the merchants, capitalists, and traders of Europe, and sense as the said of a subscribed formation of the said sense of the Atlantic. The principal sent of management will be sensible information for the guidance of the London beard upon all matters passing their hands. The association will, when desired, take charge of securities, unsatisfanded and the subscribed formation of the subscribed formation is to went to be reliable to the varieties, dividended, or routs, and, where it may become necessary, reasons advanced; but it will abstain from entering into speculations on its own in a position to do equal justice to all parties who may pince business in their Molester attes of commission will be charged, and it is expected that by this me sequent amount of remuneration will be charged, and it is expected that by this maintenance of the sacciation to the ot

RCIAL DOCK COMPANY.—The report of the directors of this complet yesterday to the special general court of proprietors, is occupied almost with details of the frands of Smithers and Cox. A state of the accountant siter, Ball, and Co.), which is embodied in the directors' report, shows the amount of frauds, defaications, and errors chargeable against Smithers to be did, and 3664. So. 3d. as against Cox, of which, however, 79421. 10s. 24. only debit of reserved profit—the remainder of the loss being in items of cash kept back, and suppressed from the credit of the profit and loss account, ching the profit of the dock business has been periodically understated for the in addition to the frauds in each, there is a fraudient transfer of 16904, pet of which the directors report that they are satisfied the person who safer was a mere instrument in the hands of the late secretary, and did not benefit from the transaction. The purchaser had no means of discovering actised, as all the forms prescribed by the company's Act of Parliament had with; and he had received several dividends on the stock before the frauds of the suprious stock, but they are of opinion that, both in policy and equity, or ought to be held harmless; and they recommend to the proprietors to on transfer to him 10004, stock out of the 36861, 5s, held by the company, tands in the books at a cost of 15084. 19s. money; after which, the 28861, 5s, will remain will be of much greater value than the cost. The report then the bilowing observation with reference to the mode of keeping accounts:—of accounts hitherto in use by this company was adopted at its commence-flowers ago, and was at that time audicient for its purpose; but the busited at the docks so enormously increased, both in actual amount and in the lim which it is conducted by the trude, that the old system is no longer aper flowers ago, and was at that time audicient for its purpose; but the busited at the docks company; and the directors have established a new efficient for its purpose; but the bu MERCIAL DOCK COMPANY.—The report of the directors of this com

The NATIONAL BANK OF AUSTRALASIA.—This company is now before pulcular most advantageous terms—the allotting of 20,000 shares, which have emerged for the London market out of the large number of 200,600, the remainder, as we understand, been taken up in Melbourne; and even of those reserved for ladon market a great many have been already applied for. The National Bank of measurements to double the amount of their shares. The local provisional commence of the business of the bank, as shown by the prospectus, appear to be fair and e.g. and well adapted to meet the local requirements. The deposit is fixed at 27, per g, gfor which no further call is to be made without three months' notice.

fre Grosvenor and West-End Terminus Hotel Company.—The If Grovenor and West-End Terminus Hotel Company.—The eise of a company has just been issued, having for its object the accommodation of emvellers arriving at the terminus of the Victoria and Pimileo Railway. The Western Hotel Company is evidenced as showing the value of investments of that its, the shares in that company (several of the directors of which are directors of spasy) having averaged 25 per cent. profit, and a similar result is anticipated by seters of this company. The plans have been prepared by Mr. J. T. Knowles for sing capable of containing about 174 sleeping and dressing rooms. The first floor stain sultes of private apartments, and the ground floor a spacious coffee-room, and to correspond. The site of the proposed hotel is in the immediate proximity of the use of the Victoria and Pimileo Railway, and in the midst of the most fashional wealthy portion of the metropolis.

in whithy portion of the metropoils.

The London Floure Company. —Abundance of money, and, as a newary consequence, its cheapness, is an usual producing a number of new companies, is not usual producing a number of new companies, is not the prospectus, to supply bakers and others with genuine is, prepared in a special and practical manner, and which has invariably produced the least subject of the prospectus, to supply bakers and others with genuine is statisfactory results. We suspect that the next annuncement of the company will issuffed with some surprise by the general public, who are not familiar with the sense of the company will be statisfactory results. We suspect that the result of the operations of the company will be obtained to supply the public with a superior article to that which they is obtain, we can only say we hope every success may attend them. The announcements which we allude is that the operations of the company will be chiefly directed fields in the superior article to that which they is obtained to the superior article to the company will will be chiefly directed fields in the superior article to the company will see the superior article to the company will see the superior article to the company will see the superior article to the company, extend that their intention is to purchase largely of good flour; by which, we presult with the superior will be superior article to the company will see none but good flour; by which, we presult will be superior be superior article to the company will see none but good flour, and in so far, of course, the sum at the tenth of the superior article will be greatly benefited, both in a pecuniary and, sanitary point of view. The sum, in its prospectus, also announces the fact that the bondon millers have, almost the superior article to the sum and conveys to the bid every one a notion of wealth and comfort. The prospectus concludes by giving stew and redultor account of one year's transactions, to show that the operations of tempany will yield a profit

The return of the Bank of England for the week ending Wednesday,

ampared with the previous weekly return, show	ed the follo	wing res	uits:-
Circulation issue	£33,138,710 D	ecrease £	200,150
division active	21,496,165 In	стевяе	295,045
swite deposits	5,531,558 In	ncrease	174,661
mot deposits	13,808,346 De	ecrease	761,020
equility securities in banking department	10,809,467 V	Vithout al	teration.
mater securities in banking department	14.815,120 D	естевяе	2,589
and buillon in both departments	19,276,560 D	ecrenso	220,431
	889,465 It	ncrease	62,193
	3,097,613 In	ncrease	6,101
	11,612,545 D	естепле	495,195
(dottes and com) in banking department	12,255,395 D	Эстеняе	515,476
A discrepance of a second and a second and a second as	" and of nor	owler o one	whose of a

A decrose of more than half a million in the "reserve," and of nearly a quarter of a side in column builton, sufficiently accounts for the maintenance of the Bank rate of the Section of the maintenance of the Bank rate of the Section of "other" deposits which were temporarily losted in the Bank last week, upon the state of the dividends. The "other" securities are almost stationary. Withdrawalf daily by the dividend receivers, as well as for exportation to Constantinople and the faminal explain the decrease in the metallic stock.

nan the decrease in the metallic stock. tatement of the movement of the precious metals for the week ending t gives the following totals:—Imports of gold, 362,907l.; exports of imports of silver, 122,926l.; exports of silver, 41,229l.—Daily News.

## WEEKLY LIST OF NEW PATENTS.

MANUFACTURE OF STEEL.-In treating iron and steel, Mr. A. Newton (for a correspondent), proposes, after the articles have been rolled in the usual way, to plunge them into an acid bath, and pass them again through smooth rollers, which gives them surface which will resist, in a great degree, correction or oxydation.

COMPRESSING ARTIFICIAL FUEL.—Mr. Humphreys, of Charlotte-street,

proposes to use double moulds. The compound to be operated upon is fed in from a hop per: a plunger then compresses it to about half its bulk. The material is thus compressed into the bottom half of the mould, which alone moves forward, is again compressed, and the solid block pushed out, after further advancing, by another plunger. The invention also includes expediting and regulating the return of the ram in hydrauli presses by connecting thereto a crank or lever, to which motion is communicated for any prime mover.

MANUFACTURE OF WROUGHT-IRON NAILS .- Mr. W. Riddle, Liverpool-

CHAIN WATER-WHEEL.—Mr. Robt. Skene, Garmouth, Fochabers, proposes to improve upon the existing systems of water-wheels, by employing a series of
buckets, fixed on an endiess band, stretched over two wheels. The water is admitted
into the buckets in the same way as it is usually supplied to an overshot water-wheel.
The contrivance is similar to the endiess chain of buckets used in a ballast-engine, but
the action is reversed.

The contrivance is similar to the elastes chain to locace used to a billiar-eight, but the action is reversed.

APPARATUS FOR LIFTING THE DRIVING WHEELS OF LOCOMOTIVE ENGINES.—Mr. J. M. Cre, Glasgow, provisionally specified an improved apparatus for itining the driving wheels of a locomotive off the rails, which apparatus, whilst it can be used when the locomotive is stationary, is more particularly designed to enable the engine driver to prevent the rotation of the driving wheels, and movement of the steam piston and parts connected therewith, when an incline is being descended, or when the locomotive is brought to a standatill on approaching a station, or when any circumstances render it desirrable. The improved apparatus is applicable to any locomotive constructed, so that it is sufficiently supported, and can run on its other wheels when the driving wheels in the guides in which their axie boxes work, but this plant is only applicable in cases where there is sufficient room beneath the boiler for the requisite elevation of the crask axie and its eccentrics. According to another plan, the desired effect is produced by distributed the supported on the driving wheels, or the wheels in which the locomotive will be supported on the driving wheels, or the wheels in which the locomotive will be supported on the driving wheels, or the wheels in axie boxes of these last being previously locked to cause them to be lifted by the framing of the locomotive. Two steam cylinders are fitted up in suitable situations upon the locomotive, the platons of such atoms cylinders are fitted up in suitable situations upon the locomotive, the platons of such atoms cylinders are fitted up in suitable situations upon the formula.—Mr. Forging Metals.—M. C. Tillière, Brussels, provisionally specified an

FORGING METALS.—M. C. Tillière, Brussels, provisionally specified an approved machine for forging, plaining, punching, and stamping metals. He places the observeen standards with guides, and raised by means of a single or double cam, fixed a shaft actuated by any suitable means.

REGENERATING AND APPLYING STEAM TO STEAM-ENGINES .- A sys tem of economising steam and fuel by the employment of suitable means of regenerative or surcharging the steam after it has exerted its power upon the piston of an ordinan steam-engine, has been provisionally specified for Massrs, Collins, Rhodes, and Drake, Philadelphia, U.S., and consists in the combination of a cooler and regenerator with Philadelphia, U.S., and consists in the combination of a cooler and regenerator with seam-engine of any ordinary construction in such a manner that the supplies of stea after having exerted their pressure on the piston, shall pass the cooler, thence to the repeature to the there confined until surcharged, then pass again to the engine in a st charged state, and finally after acting upon the piston re-enter the cooler, and so on ce timonosity as long as the surchanging of the steam takes place, and the engine continuor to revolve. The cooler consists of a stoam-tight vessel of a cylindrical form, construct of boiler plates, and connected respectively by means of suitable pipes with the exhaust of the engine, the body of the boiler, and the interior of the respectator. The exhaust pipe is affitted with a valve capable of allowing the exhaust steam to be either discharge into the atmosphere or into the cooler, as required. The regenerator consists of treatm spaces, each subdivided into a number of compartments, but having in all casone contral compartment, into which at one end of the regenerator the steam enters for

FURNACES .- In constructing a furnace, Mr. J. D. Leathart, of the Lea

SUBSTITUTE FOR SILVER.—A cheap and beautiful white metal has been acovered by Mr. W. Sharman. It consists of—Tin 16 parts; lead 3 or 4 parts; zinc, parts. The proportions may be modified as required, more zinc giving less ductility, all more tin more flexibility and better colour. The zinc is first molten, at as low a set as possible; the tin is next added, and finally the lead; the whole being well irred with a green wood pole.

minster Bridge-road, in preparing plaster, takes of muriatic acid half a pint, American potash 1 lb., and mixes it with 11 pails of water. He mixes this solution with the phaster and applies and moulds it in the ordinary way. Sometimes he mixes 1 lb. of glue with the plaster for every six pails of water used.

PERMANENT WAY.—Mr. W. Reed, Newcastle-on-Tyne, proposes to use th plates, which fit the section of, and pass under, the rails. The fish plates and rails supported by a joint chair. They are boited in the ordinary manner, the boits being tained by screw nuits.

RAILWAYS .- Mr. C. R. Moate proposes to fill up, or partly fill up, the

New Metallic Alloy.—M. Gersheim has just discovered a new amalman, possessing the singular property of being almost as soft as wax when warm, and of
hardening in the course of a few hours when cool. It may be modelied into various
shapes by the sole action of the fingers. It adheres strongly to other metallic substances,
as also to glass and porcelain, so that it may serve to mend creckery, and is equal in that
respect to the best mastic. When hard it takes a fine polish like that of sirver or brass,
To prepare it take 29, 30, or 38 parts of pure couper obtained by precipitation from the
sulphate, and pour concentrated sulphuric acid upon it, using an iron or porcelain vessel
for the operation. The mixture having attained the consistence of paste, add 70 parts of
mercury. As soon as the copper is completely amalgamated wash the compound with
boiling water to carry off the acid, and then let it stand for ten or twelve hours. The
amalgam will then be hard enough to receive a high polish, and to cut thor gold. It is
insoluble in weak acids, in alcohol, ether, or boiling water; whether in a hard or in a
soft state its density is the same. When it is about to be used it is softened by exposure
to about 375 deg. centigrade (nearly four times the temperature of boiling water). As
soon as it is reduced to the softness of wax it may be used to solder two pieces of
metal together, provided their surfaces be perfectly free from oxide, and ten or twelve hours
later they will be found to adhere together so strongly that they may be subjected to
any operation whatever. This alloy may, in a soft state, be pressed into moulds, but
its chief advantage consists in soldering pieces of medal which it would be inconvenient
to expose to the action of fire. NEW METALLIC ALLOY. - M. Gersheim has just discovered a new amal-

expose to the action of fire.

SPIRIT BLOW-PIPE.—Mr. Joseph Hollely, of Brooklyn, U.S., has pa-HT BLOW-FIPE.—MI. JUNEPH HARDEY, M. ARMAIL CAST-from stand has an ramp at one end and a blowing apparatus at the other. A vessel containing supported above a small lamp, and the vapour being allowed to issue from the of the blow-pipe, ignites and forms a blast of great heating power. To prevent sting of the vessel containing the alcohol, a small safety-value is provided, and by which the vapour is allowed to escape is so arranged that a broad, fine, or s vessel containing the alcohol, a small safety-valve is provi the vapour is allowed to escape is so arranged that a broad be obtained. There is also provision made for regulating the

GEOLOGICAL MAP OF SCOTLAND.—A very beautifully executed Geological Map of Scotland has just been issued (through Messrs. Blackwood and Sons) by Prof. Nicol, F.E.S.E., the topographical portion having been undertaken by Mr. A. K. Johnstone. During the quarter of a century that has elapsed since Dr. Macculioch's map was prepared, not only has the science generally made great advances, but many important points in the geology of Scotland are now more fully understood than was possible in his time. The professor's own observations, which extend to almost every portion of the country, and all its varied formations, have enabled him in many places to correct, and in others to confirm, the boundary lines as previously laid down. The reputation of the author being a sufficient guarantee for the accuracy of the map, it cannot fail to prove invaluable to all connected with mining in Scotland.

LONDON MECHANICS' INSTITUTION.—LOrd Murray has written to the Corresponding Secretary, expressing his concern that the parent Mechanics' Institution of England should be in need of extraneous assistance, and enclosing a frast for 1001, insid of a fund for purchasing the lease of the building, and thus extinguish the heavy annual charge for rent. The total amount to effect this desirable object is 35001; the subscriptions from private sources amount to about 4001, and we understand that a public appeal is shortly to be made.

RAILWAY TRAFFIC.—The Traffic Returns of Railways in the United RAILWAY TRAFFIC.—The Traffic Returns of Railways in the United Kington for the week centing 6ct. 15 amounted to 489,739..., and for the corresponding week of 1857 to 488,490..., showing a decrease of 7769... The gross receipts of the eight railways having their termini in the metropolis amounted for the week ending as above to 293,653..., and for corresponding week of 1857 to 207,850..., showing a decrease of 5091...

The decrease on the Great Western amounted to 3131.; on the London and North-Western to 1891.: total, 961.7. But from this must be deducted 1492.. the increase on the Eastern Counties; 2814.0. enthe Great Northern; 631. on the London Righton, and South Coast; and 1354. on the London and South-Western; together, 44141.: leaving the decrease as above, 52911.

The receipts on the other lines in the United Kingdom amounted to 278,2421., and for the corresponding week of last year to 1898,5941., showing a decrease of 25591. In the receipts of these lines, which, added to the decrease on the metropolitan lines, leaves the total decrease 77604., as compared with the corresponding week of 1857.

The London and North, Western Railway troffle veture aboves the condensate of North, North, Western Railway troffle veture aboves the condensate North North, North, Western Railway troffle veture aboves the tested of the condensate of North, North,

The London and North-Western Bailway traffic return shows this week decrease of 8161/. The corresponding week of last year witnessed the close of the Manester Exhibition, which gave temporarily an important stimulus to the traffic.

chester Exhibition, which gave temporarily an important stimulus to the traffic.

COPIAPO RAH.WAYS.—We learn from Copiapo that the extensi on railread from Copiapo to Chanarcello has been opened for 14 miles, and the trial trip for the whole distance had beet made. The trip proved highly satisfactory. The road has an average grade of 100 8-10ths ft. to the mile, and makes an elevation of 4444 ft. above the level of the sea. The engine carried a pressure of steam of 94 lbs., and rounded a curve of 500 ft. radium, according at the steepest grade 237 ft. to the mile. The Copiapo road is now one of the most profitable and successful on the American continent. The honour of being the original promoter of railways in Chili is claimed by Mr. Wm. Wheelwright, who, in 1842, projected the line from Valparasis to Santiago and Tales. Seven years afterwards he undertook and constructed a line from Caldera to Copiapo; and in 1853 he constructed another road from Copiapo to Pabellon, which was incorporated with the original line; making a total length of 75 miles. Chilian capital alone was employed for these lines. The extension line to Chanarcillo is in course of construction with English capital, and that from Copiapo to the Tres Puntas Mines will likewise be constructed by the English capital, and that from Copiapo to the Tres Puntas Mines will likewise be constructed in the fact that she has not been wanting in a spirit of enterprise, or the application of her own a capital to the establishment of railways.

Russian Railways—Extraoridinary Revellations of St. Petersburg and Moscow, and the distances between the two capitals of the empire, prove that the actual the work of the construction of the distance between the two capitals of the empire, prove that the actual the work of the capital construction of the distance of the empire, prove that the actual the construction of the distance between the two capitals of the empire, prove that the actual the actual capital and the distance between the two capitals of the empire,

Russian Railways—Expraordinary Revelations.—Recent experiments by Prof. Struvé, relative to the true geographical positions of St. Petersburg and Moscow, and the distance between the two capitais of the empire, prove that the actual length of the railraid is, by astronomical observations, no less than 88½ wersts (about 60 miles) shorter than its nominal length of 60° wersts, or, in other words, that the Government, for whose account the railway was constructed, has had to pay about one-seventh of the value, by 12,000,000 roubles, more than it ought to have paid. As the rolling stock of the St. Petersburg and Moscow Railway is furnished by an American company, who are paid for the same at so much per werst, it follows that in this quarter the Government have been paying also a most fearful overcharge. The poles erected so as to mislical both the Government and the public. The Emperor, now aware of the fact, has instituted the most searching enquiry, that the delinquents may be punished.

TO IRONMASTERS.—The WHOLE, or PART, of a very good MAGNETIC IRON MINE FOR SALE, on the north coast of Cornwall.—Apply o Mr. Chas. Perfocto, 41, Clifton-place, Plymouth.

N.B.—A large quantity of MAGNETIC IRON ORE FOR SALE, delivered at Gionester or Wales, at a moderate price.

TO ENGINEERS AND MANUFACTURERS OF HEAVY IRON GOODS.—The PROPRIETORS of a VALUABLE PATENT, which they a their own trade, are DESIROUS of GRANTING LICENSES to other manufactors. The invention applies to all cases where it is desired to produce a screw in cast—Apply by letter only, 884, Midland Counties Herald office, Birmingham.

FOR SALE, A BARGAIN, an 18 horse HORIZONTAL HIGH-PRESSURE STEAM-ENGINE, with Cornish boiler and fittings complete. All nearly new. Only worked a few months, and can be delivered at a shipping port.—For particulars, apply to Richards Hodor, Aberystwith.

FOR SALE, OR HIRE, TWO 12-in. WINDING and PUMPING ENGINES, ONE 9-in. PUMPING ENGINE, on strong wood frames for portability. BOILER with fittings, 4 tons (nearly new). Also, a 20 fass. 7-in. DRAWING LIFT complete, at 6s. 3d. per cwt.—Apply to J. S. Pinllers, Engineer, &c., Marazion.

FOR SALE, a 24 in. WHIM HORIZONTAL ENGINE, with a As this engine is very superior in make and condition, and drawing machine attached as this engine is very superior in make and condition, sarties requiring one will do well to examine it.—Apply to Mr. C. Wescown, 21, Southermlay, Exeter.

LOCOMOTIVE ENGINES, SECOND-HAND.—GEORGE RICHARDSON AND CO. have FOUR FOR SALE, in first-class working order, suitable for goods, mineral, or contractors' purposes.—1, New Broad-street, London.

EAD FOR EXPORTATION.—PIG-LEAD (hard and soft) SOLD at LOW RATES. The BEST PRICE given for LEAD ASHES, &c., and OLD LEAD.—ROUPELL and Co., Southwark Lead Works, Gravel-lane, London.

PARTNER WANTED, in a PROFITABLE COLLIERY recently opened, and in FULL WORK, to take an active part in the commercial tment, and to advance £1000 or £2000, as may be agreed on.

TO BE SOLD, OR LET ON LEASE, FOUR VALUABLE DAL FIELDS, on the celebrated Coleford High Delf Vein, in the Forest of Dean,

TO BE SOLD, OR LET ON LEASE, the valuable MINERALS of ANTHRACITE COAL and IRONSTONE in the ESTATE of BLAEN GARNANT, near Bettwe, Carmarthen. This property adjoins the Lianelly and Liandilo Railway, which communicates with the shipping port of Liannelly.

NUMEROUS VEINS OF IRONSTONE of superior quality, known as the RHAS VACH and other associate veins of the lower measures in the South Waies coal basin, situated near Ponteberene, in the Gwendreath Valley, Carmarthenshire.

A land-sale ANTHRACITE COLLIERY, near Lanon, Carmarthen. AN EXTENSIVE COAL FIELD, near Llanelly, Glamorgan.

Apply to Mr. Joshua Richardson, C.E., Neath, South Wales.

AND EXTENSIVE COAL FIELD, near Llanelly, Glamorgan.

Apply to Mr. Joshua Richardson, C.E., Neath, South Wales.

MESSRS. W. H. AND J. A. EADON have received instructions of the Assignees of the Estate of Messrs. Thomas and Wm. Jonathan Beet, bankrupts, to SELL, RY AUCTION, at the Mart, in St. Jumes's-street, Sheffield, in the county of York, on Wednesday, the 10th day of November, 1985, at Three o'clock in the aftermoon, subject to conditions of sale, the valuable COAL and IRONSTONE MINES, so well and extensively known by the name of the FENCE COLLERY, situate in the parish of Aston, in the county of York, adjacent to the Woodhouse Mili Station of the Midland Railway, and near the turnpike-road leading from Sheffield to Worksop, under the lands of Win. Lennard, Eq., M.D., the surface admeasurement whereof is about 120 acres, and held by a lease for the term of 21 years, from the 1st day of January, 1862, with power of renewal by the lessee for a further term not exceeding 21 years, at a minimum rent of £500 per annum.

The COLLIERY contains BEDS of COAL and IRONSTONE, known by the several names of the Fox Eyre Bed, the Yard Coal Bed, the Furnace Bed, the High Hazel Bed, the Darnall or Barnsley Bed, and the Swallow Bed.

The Fixed PLANT and MACHINERY comprise a 25-horse power high-pressure horizontal Pumping-Engine, with Engine-House, and two Boilers; Pumping Gear, Capstan and Shear Legs, one Lift of 12-inch Pumps, 40 yards in length; another Lift of 11-inch, 35 yards long; and another of 8-inch, 35 yards long; with two Boilers and Fittings; Engine Bouse, Winding Gear, and round Wire Ropes. Also, an Engine-Shait, 70 yards deep; and three Coal-Shafts, of the respective depths of 70 yards, 60 yards, and 50 yards, with three Air-Shaffs. Also, three sets of PIT-Head Gear, with Fullies and Conducting Reds, the whole being complete and in good working order.

In addition to the above, are FITTEEN COTTAGES for Workmen, Let at Reutz announting to upwards of £100 per annum; Smiths' and Joiner' Shops, Store Room, and other

to the Austroneers; of Mr. John Brown, mining engineer, Barnsley; or at the offices in Sheffield of Messis. Branson and Son, or Messis. Smith and Burdekin, Joint solici-tors to the assignees.

Will be published on November 1, price 6d. per copy, or 6s. annually.

THE MINING REVIEW, AND MONTHLY COMMERCIAL

RECORD.

The chief object of this publication will be to furnish shareholders, capitalists, and the public with reliable information relating to Mining, Railway, and other Commercial Securities, together with statistics and general observations of utility to havestors.

ordies, together with statistics and general observations of utility to havestors.

No. I will contain:—
List of Dividends raid by Cornish and Devon Mines during the past 12 years.

Weekly Review of Business Transacted in Cornwall during the month.
Daily Record of the Share Transactions in the best Dividend and Progressive Mines.
Leading Articles on Cornish and Devon Mining Enterprise and the Cost-book System.
Compendium, giving a detailed description of the Basset, South Frances, Old Tolgus
Jaited, South Builer and West Fenstruthal, Buller and Basset United, West Grenville,
besore, and North Downs Mines.

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Sales of Copper and other ores, with a mass of valuable data and useful information.

Published at the offices 4 Austinfriars, London, and to be had of all newsyenders.

THE EAST WHEAL BUSY MINE
Divided into 1024 parts, or shares, of £1 per share.

To be conducted on the "Cost-mook Principle." Bi-monthly meetings.

The capital of the company to be called up by the adventurers as it may be required.

Managino Agest—Capt. John Tonkin. Purser—Mr. John Moyle. Bankers—Messrs. Willyams and Co., Miners' Bank, Truro

BANKERS—Messrs. Willyams and Co., Miners' Hank, Turo.

This mine is situated in the parish of Kea, in the county of Cornwall, and is held under licenses granted by the Right Hosourable Baron Clinton, J. S. Enys, Esq., and the Hosourable Anna Maria Agar, at 1-15th dues till machinery may be erected thereon, and subsequently at 1-18th.

This extensive set has a run of nearly one mile on the course of the lodes, and is about three quarters of a mile from north to south. It is bounded on the west by the Great Wheal Basy United, and on the south it is in a direct parallel with Creegbrawse, St. Day United, the United Mines, the Cognidated Mines, and Wheal Clifford, all of which have returned very large quantities of copper and tin ores.

This mine is situated in one of the best metalliferous strata in the county, consisting of a light-coloured and soft killas. About 100 fathoms south of the present workings a champion eivan course passes through the set from east to west. The champion cross-course which traverses Wheal Clifford, and the eastern part of the Great Consolidated Mines, in Gwennap, is also a little west of our present workings; and, looking at the geological features of the mine, practical miners of eminence are of opinion that it is a very valuable mining property, only requiring time and capital for its profitable development. All the lodes of Great Wheal Busy and Old and New Hallenbeagle traverse this set: from east to west.

This mine was worked about 70 years ago by a few poor men, to the depth of about.

ets from east to west.

s mine was worked about 70 years ago by a few poor men, to the depth of about from surface, for tin, large quantities of which of excellent quality are said to been raised and sold from the locality of our present workings. We are morning some very excellent tin ore from the back of a cross-cut in the adit level, about in the said to be a cross-cut in the adit level, about the said to be a cross-cut in the said to be

Some room surrace, for tin, ingre quantities of winter of executionst quantity are said to have been raised and sold from the locality of our present workings. We are now breaking some very excellent tin ore from the back of a cross-cut in the adit ievel, about 15 fathoms deep.

During the six months that we have been exploring this sett we have cleared several hundred fathoms of adit. We also set a shaft to sink 10 fms., at £1 per fm., for the purpose of intersecting a very promising copper loie that was discovered in the bottom of a cutting of the West Cornwall Railway, about 3 fms. from the surface, and from which some very beautiful gossan and stones of rich yellow copper ore were taken, but at the depth of 5 fms. we met with so much water as compelled us to abaudon the shaft of the present. We have sunk a second shaft 6 fms. 4 ft. deep, west, and about 30 fms. north of shaft No. 1, on the course of a parallel lode; this lode is about 20 inches wide, and is composed of gossan, peach, mundic, prian, and spots of rich yellow copper ore. This lode presents all the characteristics of being rich for copper at a very shallow level, but we were obliged to suspend sinking this shaft also, on account of the water.

We deemed it advisable to clear Wheal Daniel adit, to enable us to drive east on the course of the lode, and which will have the effect of draining the two before-named lodes to a depth of nearly 30 fms. from the surface; to carry out this work with economy, we had to clear up an old shaft, and whilst so employed our men discovered a cross-cut 5 fms. from the surface, which led into a very promising lode, 3 ft. wide, on which was sunk a winze and broke large rocks of the yellow sulphuret of copper (coated with the black and purple oxides), and which gave on assay produces of from 15½ to 20½ per cent. for copper. This yield of so rich a copper ore is unusual at so shallow a level. We have been driving on the course of this lode in the adit level, and find it to be composed of biende, mundic, peach, flockan

A 0-inch cylinder engine on the improved principle will, it is believed, easily drain plant, &c., it is believed that the necessary machinery, pitwork, &c., can be erected, and the mine effectually drained, for the sum of wholt &Swoin the present lower price of mining plant, &c., it is believed that the necessary machinery, pitwork, &c., can be erected, and the mine effectually drained, for the sum of wholt &Swoin will be a sum of the s

To Capt. Tonkin, Chacewater.

To Capt. Tonkin, Chacewater.

G. HENWOOD, Mining Engineer.

Export of Mr. George Henwood.

Chacewater, Sept. 24, 1858.—Dean Sir.: Since my report on the East Wheal Busy Mine, which appeared in the Mining Journal, I have made a thorough examination of the Great Wheal Busy Mine, and feeling greater assurance than ever that the lodes in your mine are those of the Great Wheal Busy; you may, therefore, resonably expect to have good in work on the backs of your lodes as well as in depth. I think you will not made with much copper ore above the adit level. I went underground again at your mine this day, and am pleased with the progress you have made since my last visit. I was surprised to see so much water issuing from the bottom of the tin lode; you may rely on it this is significant of good. I was still more surprised to see so so spendid to from the bottom of this level; no wonder the old men stoped away all the backs! You, like the Great Wheal Busy people, must not expect to find rich ends and backs left standing by those shrewd workmen until you open new ground, but when this shall have been done. I have every reason to believe you will have a good mine. I shall advise you not open the work of the shall have been done. I have every reason to believe you will have a good mine. I shall advise you not open masterly lodes; though the same lodes as Wheal Busy, their engine is too far west to influence the water in your mine much, therefore I advise you to at once put in conjectum power, which will prove true economy in the end.

GEORGE HENWOOD, Mining Engineer.

East Wheal Busy, Sept. 30.1858.—George water.

petent power, which will prove true economy in the end.

GEORGE J. TORKIN.

REPORT OF CAPTAIN JOHN TONEIN.

Ent Wheat Bury, Sept. 30, 1853.—GENTLEMEN: Since our last meeting and my report on the 12th July, the works at the East Wheal Bury Mine have been pashed forward with as much energy as was deemed desirable. We have driven on the copper lock 4½ fins. making a total of 20 fins.; the lode is still very large and promising, containing quartz, capel, flookan, mun'ile, and apota of copper one, but not to value at present. The indications are such as would iffaduce any practical miner to recommend a vigorous prosecution of it; the stratum in which these locks are embedded is all that can be desired, being of a light, soft, kindy killas, highly mineralized. No doubts exist in my own mind of its being a highly productive lock in depth. We have cleared out 12½ fins. on the tin lode, making a total of 48 fathoms, but have not yet reached the point of the old meals workings, though I had expected to have done so long since; the whole of the backs of this lock, save in a few arches left, have been taken away by these, and to judge from

FORM OF APPLICATION FOR SHARES.

East Wheal Busy Mine, Chacewater.

Sir.,—I request that you will allot to me 1024th shares in this mine, and is onsideration thereof I herewith send the sum of £ , as named in the prospectus.

Signed Profession

To Mr. Moyle.

Residence

SHARES IN THE VALE OF TOWY RAILWAY COMPANY.

SHARES IN THE VALE OF TOWY RAILWAY COMPANY.

MR. MARSH has received instructions from the assignees of Mr. Thomas Hutchings to SELL, BY AUCTION, at the Mart, opposite the Bank of England, on Thursday, Nov. 4, at Twelve o'clock, in Twenty Lots, ONE HUNDRED £10 SHARES (ail paid) in the VALE OF TOWY RAILWAY COMPANY.—Particulars may be obtained at the Mart; of David Jerrenx, Esq., Liandovery; of H. H. CANNAN, Esq., official assignee, 18, Aidermanbury; of T. J. Jerwood, Esq., solicitor, 17, Ely-place, Holborn; of Messrs, Richardson and Nadler, 16, Old Jewry Chambers, London; and at Mr. Mansa's offices, Charlotte-row, Mansion-house.

OOLA, IN THE COUNTY OF TIPPERARY.

M. R. MARSH is instructed, by the Liquidator of the Oola SilverLead and Copper Mining Company (Limited) to SELL, BY AUCTION, in One
Lot, at the Mart, in the City of London, on Thursday, the 18th day of November, 1858,
at Twelve o'clock at noon, the valuable MINING PROPERTY, known as the OOLA
MINES, in the country of Tipperary. Also the STEAM-ENGINE, PLANT, and OTHER
EFFECTS of the company upon and about the mines. The mines are held upon lease
for a term of 40 years, from Michaelmas, 1854, and such lease, together with an inventory of the plant and effects referred to, may be inspected at the offices of the Liquidator,
situate as under, and a copy of such lease and inventory may be inspected at the office
of the auctioneer.—Printed particulars and conditions of sale may be obtained at the
offices of Mr. G. F. ELAND (the Liquidator), 4, Tradigar-square, Charing-cross; Messrs,
Garde and Atkinson, solicitors, 15, Merchants' Quay, Dublin; and at Mr. Marsh's
offices, Charlotte-row, Mansion-house.

HOLYFORD MINES, ABOUT TEN MILES FROM TIPPERARY, AND ABOUT SEVEN FROM DUNDRUM STATION OF DUBLIN AND CORK RAILWAY.

OR SALE, BY AUCTION, at the mines, Cappawhite, Tipperary, on Tuesday, 2d November, 1858, at Eleven o'clock precisely, the valuable PLANT, MACHINERY, MATERIALS, and a variety of OTHER EFFECTS, comprising—
A 40 in. cylinder PUMPING ENGINE, 10 ft. stroke in cylinder and 9 ft. in shaft, with two bollers about 10 tons each.
A 20 in. cylinder DRAWING ENGINE, with metal piston nearly new, boiler about 10 tons, and winding gear complete.

with two boilers about 10 tons each.

A 20 in. cylinder DRAWING ENGINE, with metal piston nearly new, boiler about 10 tons, and winding gear complete.

A 28 ft. WATER-WHEEL, 4 ft. breast, metal shaft, centres, &c.

A 27 in. CRUSHING MILL, 4-head stamps attached.

A small water-wheel for working round buddles, &c.: 120 pieces pumps, 7 to 12 in.; plunger poles, windbores, working barrels, doorpieces, H pieces, &c., complete; powerful capstan role, 2 horse whims, 100 fms. a ton. capstan rope, 2 horse whims, 100 fms. wooden roes, with strapping plates, &c., complete; 100 fms. horizontal iron rods, 2½ by ½; 2 round buddles, ing buddles, selves, new and in use; lingting frames, and other dressing apparatus. Railway: About 570 fms. iron rails, 2½ by ¾ in., with chairs, &c., complete; 7 iron railway wagons. 200 fms. 2½ in. wire-rope, self-acting drum, &c.; 20 pieces Norway timber, mountings for three large balance-bobs, smiths and miners' tools in large quantities, a quantity of wood and iron air pipes, launders and stands, oils, hemp, leather, nails, and a variety of stores. Cars, horse and harness, counting-house and household furniture and fixtures, &c.

Catalogues may be had, one week prior to the sale, on application to Mr. C. Huyr, 16, New Broad-street, London; Capt. Pascoe, on the mines; or Mr. Littledale. auctioneer, 9 Upper Ormond Quay, Dublin.

PUPPER Ormond Quay, Dublin.

NEW ZEALAND.

FOR SALE, BY PRIVATE CONTRACT,

Affording an opportunity to the monied speculator rarely met with.

Kawan, which contains about 5000 acres, is of freshold tenure, and situated on the east coast of the Northern Island of New Zealand. It is distant some 30 miles to the northward of Auckland (the capital) and two miles from the mainland, and forms one of the principal leading points for vessels entering the Houraki Guif, or Frith of the Thames.

The strait between it and the main land affords safe anchorage and favourable navigation for boats and small vessels, and the extensive natural harbour of Bon Accord, which runs about two miles into the centre of the Island, is of sufficient depth and safety to shelter a considerable fleet of vessels.

The Island contains copper, and mining was formerly carried on to a considerable extent. There are numerous bays and inlets in the Island, surrounded with laxuriant vegetation, supporting a large number of wild and tame cattle.

Further particulars may be lad, and offers in writing will be received, at the offices of the North British Australasian Company (Limited), to whom the property belongs. A royalty will be reserved on all minerals which may be found on the property.

27, New Broad-street, London, E.C., September 16, 1858.

MINING MACHINERY FOR SALE,—FOR SALE,

MINING MACHINERY FOR SALE.—FOR SALE,
BY PRIVATE CONTRACT, a 24 in. STAMPING ENGINE, with boiler about
10 tons, fly-wheel, sweep rod, axie, 16 heads of stamps, frames, litters, &c.—For particulars, apply to Captain Osabors, Wheal Trevelyan Mine, Goldstitney, near Marazion,
Cornwall; or to Mr. John Watson, 13, George-yard, Lombard-street, London, E.C.

ROTARY STEAM ENGINE AND SPARE MATERIALS.—

TO BE SOLD, BY PRIVATE TREATY, an excellent ROTARY STEAM ENGINE, of 12 and 22 in, cylinders combined, with condensing cylinder, on a strong iron framing, good main beam, heavy fly-wheel, and drawing cage, very compact, and in first-rate condition, with a 10 tons boiler. Also sundry lifts of pumps, 8 in. working barrels complete, three 20 in. 9 ft. pumps, pullies, chains, smiths' bellows, and useful iron, not being required for the future working, having a powerful water-wheel and materials sufficient.—To view, apply to Capt. J. Gifford, on the Wheel Crebor Mine, near Tavistock, and for price, &c., to Mr. H. E. Chorker, 8, Frankfort-street, Plymouth; or to Jenu Hitchins, mining agency offices, No. 8, Finch-lane, London.

TRESAVEAN UNITED MINES.—NOTICE IS HEREBY GIVEN, that a MEETING of the adventurers of these mines will be HELD at the Royal Hotel, Truro, on WEDNESDAY, 3d November, 1858, at Twolve o'clock at noon, for the purpose of allotting the shares, and the adoption of necessary measures for the prosecution of the mines. Humphrey Willyams, Esq., and several influential capitalists, have signified their intention of joining the company.

Skithians, October 19, 1858.

THE WEST PAR CONSOLS COPPER AND TIN MINING COMPANY.—NOTICE IS HEREBY GIVEN, that a GENERAL MEETING of the shareholders in this company will be HELD at the office, 117, Bishopsgate-street Within, London, on TUESDAY, the 26th day of October inst., at One o'clock precisely. At the conclusion of the general business the meeting will be made special, for the purpose of disposing of certain shares that have become forfeited in the company.

By order of the Committee,
J. H. MURCHISON, Sec. and Purser.

THE SCOTTISH AUSTRALIAN INVESTMENT COMPANY (LIMITED).—NOTICE IS HEREBY GIVEN, that a SPECIAL GENERAL MEETING of the shareholders of the Scottish Australian Investment Company (Limited) will be HELD at the London Tavern, Bishopsgate-street, London, on FRIDAY, the 29th day of October inst., at Twelve o'clock at noon precisely, to confirm resolutions which were unanimously passed at a meeting of the company held on the 30th day of July last, having for their object the conversion of the shares of the company into stock.

By order of the Directors,

C. GRAINGER, Sec. 24, Gresham-street, London, October 16, 1858.

MOST IMPORTANT TO COLLIERY OWNERS AND
COLLIERY MANAGERS.
HENRY J. MORTON AND CO.,
GALVANISED IRONWORKS, 2, BASINGHALL BUILDINGS, LEEDS,
beg to call attention to their
IMPROVED SIGNAL BELLS,
especially prepared to meet the regulariements of the new Act for the Inspection of Coal

especially prepared to meet the requirements of the new Act for the Inspection of Cos Mines. It has met with the decided approval of many large colliery owners and mans gers. SIMPLE, EFFICIENT, and CHEAF. Price 15s., 17s., 6d., and 20s., each.
BYRAM'S PATENT ANEMOMETER, for testing the ventilation.
Price £1 los., £3 8s., and £4 4s. cach.
STEAM PRESSURE GUAGES, very strong and accurate, £2 and £2 12s. 6d. each.
For further particulars apply to
H. J. MORTON AND CO., 2, Basinghall-buildings, Leeds.

FAIRBANK'S IMPROVED PATENT WEIGHING MACHINES, for the use of IRONWORKS, COLLIERIES, RAILWAYS, WAREHOUSES, STORES, &c.

for the use of IRONWORKS, CALLES in use, and the cheapest.

The most ACCURATE MACHINES in use, and the cheapest.

MACHINES of all sizes, from 1 cwt. to 30 tons, for RAILWAY WAGONS, CARTS, or WAGONS.

WAGONS.

For prices and all other information, apply to
HENRY J. MORTON AND CO., GALVANISED IRONWORKS,
2, BASINGHALL BUILDINGS, LEEDS.

Patent Asphalted Roofing Felts, Boiler Felts, Galvanised Iron, Mining Stores, &c., in
Stock.

TO PIPE FOUNDERS.—SLOCAL BOARD OF HEALTH of Methyr Tydell on RECEIVE TENDERS for a LARGE QUANTITY of CASTINGS. Printed specifications and turns of tender Sulface, cach) on application to me, or to Mr. HAWSELF, C.E., 30, Grand Sulface, cach) on application to me, or to Mr. HAWSELF, C.E., 30, Grand Sulface, cach) on and after Wednesday, the 27th proximo, and senior less delivered at my office not later than Wednesday, the 10th day of the 10th d

THE LLANGOLLEN SLAB AND SLATE COMPA

(LIMITED) beg to call the attention of Merchants, Architect, Catheon

(LIMITED) beg to call the attention of Merchants, Architect, Catheon

(Builders, to their present STOCK of SUPERIOR SLATE Architect, Catheon

on hand containing 60 and 70 superficial feet), THIN and THICK MODIFICATION

(roil and ridge), CISTERINS, SINKS, MANGERS, SALITING TROUGHS, FOR

ROXES, and ENAMELLED CHIMINEY-PIECES, CHIFFONIES, TARE FOR

SLABS. Their enamelled articles are much appreciated, and are in great demand.

Lists of Prices and Books of Design may be had on application to the Man
A, Wharf, South Wharf-road, Paddington, W.

SLATE SLABS, &c.—The CAMEL SLATE COMPAN Wadebridge, Cornwall, are PREPARED to EXECUTE extensive Offices ROOFING, LARGE SLABS (up to 100 feet in a stone), WATER and ALE TANES, BATHS, CHIMNEY PIECES, and every description of slate goods.

Price lists may be had on application.

UTTA PERCHA BANDS, TUBING,
OUR BANDS, carefully MANUFACTURED from the VERY RET of
OUR BANDS, carefully MANUFACTURED from the VERY RET of
DURABLE than LEATHER. Can be had in lengths of 100 or 190 set without
are easily joined or repaired, and are, when worn out, re-purchased by as a six
third of their original cost. In the event of a break down, a band of any size
plied within a few hours of receipt of order. The present prices are as underto-price of the control of their price of the control of the control of the control of their original cost. In the event of a break down, a band of any size

The price of the control of the c

PROSPECTUS OF

THE BRINSLEY HALL COLLIERY COMPANY (LIMITE)

Completely registered.
Completely registered.
Capital £25,000 (with power to facroase to £30,000), in 2500 shares of £10 ma.

Deposit, £2 10s. per share.
FROWINGHAE INDECTORS.
THOMAS PERRY, Eaq., Highfields from Works, near Bilston, Staffordshire.
THOMAS JOSEPH PERRY, Eaq., Highfields from Works, near Bilston, Staffordshire.
HOMAS JOSEPH PERRY, Eaq., Highfields from Works, near Bilston, Staffordshire.
BANKEINS—The Derby and Derbyshire Banking Company, Derby,
BROKENS—Messrs. Alexander and Lindow, 21, Tokenhouse-yard, Lendon,
ESGINERES—Messrs. Woodhouse and deflocek, Midland-road, Derby,
SOLICTOR—Mr. Joseph Shaw, Rotten-row, Derby, and likeston, Derbyshire.
STAMDING COUNSEL—Thomas Bell, Eaq., 3, King's Bench Walk, Temple, Lendon,
SEGRETARY AND MANAGER—Mr. John Shaw, College-place, Derby,
TEMPORARY OFFICE,—No. 2, COLLEGE-PLACE, DERBY,
The company is formed for the purpose of working and getting coal or othermine.

TEMPORARY OFFICE,—S.O. 3, COLLEGE-PLACE, DERBY.

This company is formed for the purpose of working and getting coal or othermias. The locality in which the business is intended to be carried on is the Brinity star. the parish of Greasley, in the country of Nottingham, which is well situated in the samed valley of the Erewash, and lies contiguous to, and has a communication by an obranch lines airready made with, the Erewash Valley Railway and the Counterload of branch lines airready made with, the Erewash Valley Railway and the Counterload and Counterl

saliways.

There are also in close neighbourhood several large iron-works, the numbersale ent of which are yearly increasing.

The estate comprises about 400 acres, and is held under leases from the Earl of Morough; the trustees of Mr. James Christopher Royston and Mr. Christopher

water to contend with.

The mines lie at a convenient depth, and may be easily worked; upperior quality, both for house and furnace purposes.

The works have been commenced, and shafts have been partly short time, with a little further outlay, the upper beds of coal may bees carried on with a profit.

One of the most eminent firms of mining engineers in the Midland C.

One of the most eminent firms of mining engineers in the Midland C.

short time, with a little further outlay, the upper beds of coal may be got, and the loness carried on with a profit.

One of the most eminent firms of mining engineers in the Midiand Counties have will out reference to the proposed association) fully examined and reported upon the mid-king, and their report is of the most satisfactory character.

The capital is to be £25,000, divided into 2500 shares of £10 each, upon which a posit of £2 los, per share shall be paid on the acceptance of the letters of allone Power will be taken to increase the capital to £30,000, with the assent of two-thin number and value of the proprietors specially convened.

The company is constituted within the provisions of the Limited Liability Act. As a commercial speculation, it is computed that if the undertaking be carried at a scale at all commensurate with the value and extent of the minerals in isses, a layoff, will be realised upon the capital employed.

It is calculated that the works will be completed, and the miner full devices that period at convenient intervals.

Each application for shares must be accompanied by a payment to the bankers of company of £1 per share on the number of shares applied for, and far which a very will be given. Should no allotment be made to the applicant, the money this is with the bankers will be returned free of charge; if an allotment be made, it will be piled towards the deposit of £2 los, per share then payable.

The present directors only hold office provisionally, and at the first general needige to directors will be made. The qualification for the office of director will be holding of 50 shares.

Applications for shares to be addressed to the provisional directors, at the tage

oiding of 60 snares.

Applications for shares to be addressed to the provisional directors, at the tenom
lices of the company, No. 2, College-place, Derby, in the accompanying form.

To the Provisional directors of the Brinsley Hall Colliery Company (Limitel). To the Provisional directors of the Brinsley Hall Colliery Company (Limite),

GENTLERIN,—Having paid into the hands of the Derby and Derbyshire Bashington
pany, the bankers named in your prospectus, £ to your credit, I request you a
allot me shares of £10 each in the above-named company, and I brevb garest
accept such shares, or any less number that may be allotted to me, and to pay threat
thereon at the appointed times, and to execute the necessary deeds when required bose
I aim, Gentlemen, your obedient servant,
Name (in full)

Residence (in full)

Profession or occupation
Place of business (if any)

Date

INVESTMENTS IN BRITISH MINES.
Full-particulars of the most important Dividend and Progressive Mi
found in the Fourth Edition of

BRITISH MINES CONSIDERED AS AN INVESTMENT.

Recently published, by J. H. Muncusson, F.G.S., F.S.S.

Pp. 356; price 3s. 6d., by post, 4s.

Mr. Muncusson also publishes a QUARTERLY REVIEW OF BRITISH MINISA
giving, at the same time, the Position and Prospects of the Mines at the end of est dustier, the Dividends Paid, &c.; price 1s. Reliable information and advice will astime be given by Mr. Muncusson, either personally or by letter, at his offices, No III.

Bishopsgale-street Within, London, where copies of the above publications can be a

Mr. Murchison's new work on British Mines is attracting a great deal and is considered a very useful publication, and calculated to considerably position of home mine investments.—Mining Journal.

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As a guide for the investment of capital in mining operations is inestimate most valuable mining publications which has come under our notice, more information than any other on the subject of which it treats.—Dreby To those who whis his onest in the structure of the product of the subject of which Mines, this work is of the

As a guide for the investment of capital in mining operations is measurable. The most valuable mining publications which has come under our notice, and outsing more information than any other on the subject of which it treats.—Derby Riejargh. To those who wish to invest capital in British Mines, this work is of the first large. This work enables the capitalist to invest on sound principles; it is, in truth, an at callent guide.—Plymouth Journal.

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(Glasgow Examise.

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[Dursk, BECK, and SAYLES refer to the Editor of the Mining Journal.]

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J. LEE STEVENS, 1, Fish-street-hill, London, E.C.

BLAND ROUTE WEEKLY COMMUNICATION BY TRIAND ROUTE.—WEEKLY COMMUNICATION BY STEAM TO INDIA, &c., via EGYPT.

SINSULAR AND ORIENTAL STEAM NAVIGATION COMPANY BOOK SIESS and RECEIVE GOODS and PARCELS for the MEDITERRANEAN, ADEX, CEYLON, MADRAS, CALCUTTA, the STRAITS, CHINA, and by their steamers leaving Southampton on the 4th and 50th of every month; by their parkets and MEDITERRANEAN, EGYPT, ADEN, and BOMBAY, by their packets with the strain of the strain of

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USTRALIA .- MERSEY LINE. -LIVERPOOL TO USTRALIA.—MERSEY LINE.—LIVERPOOL TO MELBOURNE, 25th of every month, forwarding passengers at through the to Sydney, Adelaide, &c. Passage money £14 and upwards. Packet of the October, the magnificent new clipper ship Black Eagle, W. Mearket on the Color, the magnificent new clipper ship Black Eagle, W. Mearns consider, A1 at Lloyd's for seven years, 1556 tons register, 3500 tons burden, craft, now on her first voyage, was built expressly for the Australian past-promenade deck, 300 ft. by 36 ft.; between decks, 5 ft. high, ventilated and superior manner; superby furnished chief cabin, 10 ft. high.—For freight sy to Expunyon Thourson and Co., 20, Water-street, Liverpool; or J. Visky procedurch-street, and 17, Tower-hill, London.

STEAM UNDER SIXTY DAYS ECLIPSED.

STEAM UNDER SIXTY DAYS ECLIPSED.

gips, salting under the Black Ball flag, have beaten the underm gig line on the passage home from Melbourne:—

Beat the ROYAL CRARTER eight days.

Beat the GREAT BEFIAN ten days.

STAR Beat the ROYAL CRARTER Len days.

PASSAGE MONEY £14 AND UPWARDS.

Appointed to Sail from LiverPool on the 5th of each Month
Forwarding Passenger by Manney,

Appointed to Sail FOR MELBOURNE,

Forwarding Passengers by Steam to various Ports in

AUSTRALIA AND TASMANIA.

Register. Burthen. Captain. Date.

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1278 4000 Bress 5th January.

1289 4500 Bress 5th January.

1290 4500 Bress 5th January.

1290 1625 3500 CLARE 5th February.

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1290 MKAY 2604 5000 Tosus 5th March.

1291 MKAY 1891 ARGEST, the FINEST, and FASTEST MER
1291 Register in the WORLD, and have been built by the most ceiebrated builders of

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definitions are unequalled as a commodations are unequalled as the state of the safeat. It has been also the distinguished honour of a visit from Her Majesty the viow as most graciously picazed to say that she had no idea there were such stated thips in her merchant navy.

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IN NEVIS WM. HERON 1347 4000 Oct. 27.

SETANA 1342 4500 Nov. 29.

SETANA 1528 1526 4509 Nov. 29.

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Besidented clipper Sultana, sister sbip to the White Star clipper Shalimar, will inside dependentally on the 20th November. The Sultana is now on her fourth spin this line, and has made two passages to Melbourne in 78 days, returning in the silne, and has made two passages to Melbourne in 78 days, returning in the silne, and has made two passages to Melbourne in 78 days, returning in the silne, and has made two passages to Melbourne in 78 days, returning in the celebrated run to the Cape of Good Hope was made under 45 days, the fastest exceled by a sailing ship. Her salcons are spacions, and furnished with plano, sky common and favourite packet. Ben Newis. the plonger Royal Melbourne for second cabin sail spaces provides and provi

s passingers, sik-known and favourite packet, *Ben Nevis*, the pioneer Royal Mail ship of t gar fleet, will start on her fourth voyage in the line on the 27th October, pasage home from Melbourne she made the run to England in 74 days, beati

sage borne from Neutcouries and of the season, of the season, without fail, on the 26th October and 19th November. remust embark, without fail, on the 26th October and Chambers, 21, Water photo passage, apply to the owners, H. T. Wilson and Chambers, 21, Water repool.

A USTRALIA.—WHITE STAR CLIPPERS. The celebrated ex-royal mail clipper ship, Shalimar, Captain Browns register, 4750 tons burthen, will be dispatched from Liverpool urne as the packet of the 20th October, sailing punctually at noonay. This noble vessel carried Her Majesty's Royal Mails, under on what day. This noble vessel carried Her Majesty's Royal Mails, under conting fast on record; her first passage was made from Liverpool to Australia (capfemberland) in 67 days, from Melbourne to Liverpool in 75 days, and from Liver
it Melbourne in 75 days. She has made four voyages round the world in two year
dight months, and has sailed the extraordinary distance of 420 miles in one day,
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FIE PATENT VALVE COMPANY, having effectually tested the working of their recently patented clack valve, and having made arrangements rappling them, are PREPARED to RECEIVE ORDERS from the adventurers and ages of mines, and others, who may be desirous of adopting them. In introducing straire to the notice of the mining public and others, the patentees have no hesitian status that the SAVING in the articles of leather and copper, and in the labour spind for changing the clack valve now in general use, will, under ordinary circumser, EQUAL NINETY-FIVE PER CENT., whilst they feel equally certain is many cases the saving will even exceed that amount. Fallsformation, and terms for use of the patent right, can be obtained of Capt. John MI, manager of the United Mines, Gwennap, under whose inspection the valve has set some time at work; of Capt. J. MAYER, on the same mines; or by letter ad-

some time at work; of Capt. J. Marns, on the same mines; or by letter ad the Patent Valve Company, St. Day, Truro, Cornwall. lagust 25, 1858.

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Nether Hearth Mine, July 13, 1858.

DEAR Str.,—In reply to yours of the 7th inst., I beg to state that I consider your patent rotating buddle answers very well at this mine. It does not make the ore perfectly clean, but I attribute this more to the poverty of our silmes, and their being very peaty, than to any defect in the machines. By either putting the ore over the buddle a second time, or dollying it, the ore is ready for market, and a few hours once a fortnight or three weeks does this. The buddle goes through the greatest quantity of silme in the least time of any machine that I am acquainted with, and I do not hesitate to say when the silmes are tolerably rich I believe it will make the ore perfectly clean by going once over it. At the same time, there is no doubt that extremely poor silmes, that will not pay cost for dressing by any other process, will leave a profit by working them with your rotating buddle.

I am, dear Sir, yours truly, WILLIAM VIPOND.

Mr. D. Zenner. Mr. D. Zenner.

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With this PATENT MACHINE the ordinary surface clay requires no proparation whatever, whilst that of a rocky nature has merely to be passed through rollers in the usual way. And there were the surface of the surface of the surface of the surface of the surface are memory defined to the kink in a fitter ready for regents.

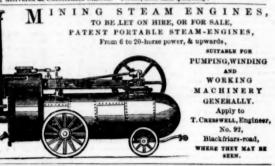
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months.

	SHARE LIST.	Shares.   Paid. Last Price. Present.   1000 Camborne Consols (copper) 14 15 0 8 134 2	8hares. 4096 S. Wh. Betsy, near Tuvy, Dov. 0 1 105 So. Wh. Crafty (stp.), Hlogan 1 18 M. 33 40 So. Wh. Stdm (cm.), Craft (stp.), St. Agnes 40 So. Wh. Stdm (cm.), Craft (stp.), St. Agnes 6 40 So. Wh. Stdm (cm.), Craft (stp.)
1824   Balieswidsien (tin), St. Just   11   5   0   10000   Bampfylde (copper), Davon   0   12   6   4000   Bettford United (copper), Tavistock†   2   6   8   240   Boscoan (tin), St. Just   20   10   0   200   Bottaliack (tin, copper), St. Just*   20   10   0   200   Bottaliack (tin, copper), St. Just*   21   0   0   100   Bryuford Hall (lead), Fiintshire   25   0   0   100   Bryuford Hall (lead), Fiintshire   7   15   0   300   Bryuford Hall (lead), Fiintshire   25   0   0   0   0   0   0   0   0   0	1	1000   Cardigans South Beg. (1804)   1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	400 So. Wh. Seton (cop.), Camb. 400 So. Wh. Seton (cop.), Camb. 400 Stone Brook, Plyndinn [L.]. 2 0 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1
FOREIG  10000 Alten and Quænangen United (cop.), Norway. 16 10 0 2464 Burra Burra (cop.), South Australia. 5 0 0 12000 Cobre Copper Company (cop.), Cuba [8.E.]. 40 0 0 12000 Copiapo Mining Company, Chili [8.E.]. 16 0 0 2500 General Mining Assoc., Nova Scotia [8.E.]. 15 0 0 2500 General Mining Assoc., Nova Scotia [8.E.]. 15 0 0 15000 Linares (lead), Pozo Ancho, Spain [8.E.]. 1 15 0 0 10000 Lusitanian (of Portugal) [8.E.]. 1 15 0 0 10000 Lusitanian (of Portugal) [8.E.]. 1 15 0 0 10000 Coyal Santiago (copper), Cuba [8.E.]. 20 0 0 7000 Royal Santiago (copper), Cuba [8.E.]. 16 15 0 11000 St. John del Rey (Limited), Brazil. 15 0 0 43174 United Mexican (silver), Mexico [8.E.] 20 0 0 88676 North British Australasian[8.E.]. 1 0 0 Shares. 20000 Acadian Charcoal Iron [L.]. 7 0 0 6 50000 Anglician Smeiting, Reduction, and Coal Co. [L.]. 9 20000 Australian (copper) [8.E.]. 7 5 0 5 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	142	10000 River Tamar Copper (L.)	
256 Antroi Consols (cp.), St. Erth 9 7 3 . 8 . 1090 Ashbarton United (cop., tin) 4 0 0	1258 Boscaswell (tin and copper). 5 6000 Bortle HBl. 1 20000 Bream from Mining Co. (L.) 0 10 0 1/2 4000 Bream from Mining Co. (L.) 0 10 0 1/2 1 2000 Bronfloyd (4t, 5c, paid) (L.) 4 0 0 6 6/4 4000 Bronfloyd (4t, 5c, paid) (L.) 4 0 0 6 6/4 1 0 10 10 10 10 10 10 10 10 10 10 10 10	*.* Those mines with [S. E.] appended have been admitted on incorporated with  *.* Our object being to make the Shore List correct, we earnest	the Stock Exchange. Those mines with [L.] appended have been h Limited Liability.  tily call upon all who have the power, to aid us, by forwarding any me under their notice. Reports from mines—in fact, mining inference ready attention.